

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030920\
 Data File : VD065441.D
 Acq On : 09 Mar 2020 10:47
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/10/2020 3:34:24 PM

Quant Time: Mar 10 12:29:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	501832	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	692390	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	622608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	307009	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	194139	45.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.20%	
35) Dibromofluoromethane	7.92	113	214749	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
50) Toluene-d8	10.34	98	839405	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
62) 4-Bromofluorobenzene	12.64	95	263029	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	196122	45.473	ug/l	99
3) Chloromethane	2.21	50	232334	44.619	ug/l	100
4) Vinyl Chloride	2.35	62	241208	46.965	ug/l	97
5) Bromomethane	2.77	94	147778	51.494	ug/l	96
6) Chloroethane	2.93	64	150105	47.720	ug/l	99
7) Trichlorofluoromethane	3.27	101	361190	47.728	ug/l	99
8) Diethyl Ether	3.71	74	102716	45.641	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	238438	48.921	ug/l	98
10) Methyl Iodide	4.30	142	253559	50.075	ug/l	99
11) Tert butyl alcohol	5.24	59	51930	210.314	ug/l	96
12) 1,1-Dichloroethene	4.06	96	221585	47.478	ug/l	95
13) Acrolein	3.93	56	81279	190.869	ug/l	97
14) Allyl chloride	4.71	41	336924	46.994	ug/l	100
15) Acrylonitrile	5.43	53	222297	227.051	ug/l	99
16) Acetone	4.17	43	255415	293.383	ug/l	95
17) Carbon Disulfide	4.40	76	729422	46.931	ug/l	99
18) Methyl Acetate	4.72	43	95766	43.365	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	416643	46.422	ug/l	100
20) Methylene Chloride	4.96	84	238688	50.523	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	254135	48.950	ug/l	96
22) Diisopropyl ether	6.37	45	650604	48.816	ug/l	98
23) Vinyl Acetate	6.31	43	1808824	244.430	ug/l	100
24) 1,1-Dichloroethane	6.27	63	409558	47.910	ug/l	98
25) 2-Butanone	7.22	43	293401	246.961	ug/l	100
26) 2,2-Dichloropropane	7.21	77	369572	49.471	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	259272	48.857	ug/l	98
28) Bromochloromethane	7.55	49	167943	49.104	ug/l	99
29) Tetrahydrofuran	7.57	42	170924	225.285	ug/l	99
30) Chloroform	7.71	83	412361	48.261	ug/l	100
31) Cyclohexane	7.98	56	404899	47.368	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	385124	48.774	ug/l	99
36) 1,1-Dichloropropene	8.11	75	353158	53.210	ug/l	98
37) Ethyl Acetate	7.30	43	123082	47.980	ug/l	97
38) Carbon Tetrachloride	8.10	117	359857	52.287	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	428837	53.497	ug/l	94
40) Benzene	8.36	78	961698	51.825	ug/l	99
41) Methacrylonitrile	7.53	41	71498	52.701	ug/l #	83
42) 1,2-Dichloroethane	8.43	62	243455	50.242	ug/l	100
43) Isopropyl Acetate	8.46	43	224190	47.331	ug/l	98
44) Trichloroethene	9.11	130	269616	51.448	ug/l	98
45) 1,2-Dichloropropane	9.39	63	231332	51.464	ug/l	97
46) Dibromomethane	9.48	93	118623	50.876	ug/l	98
47) Bromodichloromethane	9.67	83	311355	51.329	ug/l	96
48) Methyl methacrylate	9.46	41	106121	47.629	ug/l	97
49) 1,4-Dioxane	9.47	88	26160	980.869	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	608371	255.233	ug/l	99
52) Toluene	10.41	92	625530	53.509	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	288599	50.912	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	353787	51.562	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	165433	50.096	ug/l	97
56) Ethyl methacrylate	10.67	69	192004	51.574	ug/l	98
57) 1,3-Dichloropropane	10.95	76	283193	50.683	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	260745	224.318	ug/l	98
59) 2-Hexanone	10.99	43	453941	275.112	ug/l	100
60) Dibromochloromethane	11.14	129	219587	51.874	ug/l	99
61) 1,2-Dibromoethane	11.25	107	161553	51.288	ug/l	96
64) Tetrachloroethene	10.88	164	234800	52.630	ug/l	98
65) Chlorobenzene	11.67	112	637530	51.744	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	235362	52.451	ug/l	98
67) Ethyl Benzene	11.75	91	1162509	54.607	ug/l	100
68) m/p-Xylenes	11.86	106	893332	108.827	ug/l	99
69) o-Xylene	12.18	106	394436	54.626	ug/l	99
70) Styrene	12.20	104	694008	54.612	ug/l	100
71) Bromoform	12.37	173	126247	50.088	ug/l #	100
73) Isopropylbenzene	12.48	105	1112939	55.114	ug/l	100
74) N-amyl acetate	12.30	43	201678	48.784	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	174599	49.189	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	117498m	48.502	ug/l	
77) Bromobenzene	12.77	156	260461	51.915	ug/l	99
78) n-propylbenzene	12.83	91	1323584	55.242	ug/l	100
79) 2-Chlorotoluene	12.91	91	719342	53.272	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	904892	54.507	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	56121	48.887	ug/l	98
82) 4-Chlorotoluene	13.01	91	748803	52.771	ug/l	99
83) tert-Butylbenzene	13.23	119	768733	54.734	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	894538	54.664	ug/l	100
85) sec-Butylbenzene	13.41	105	1094440	54.592	ug/l	99
86) p-Isopropyltoluene	13.53	119	1018135	55.655	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	500263	51.864	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	484087	50.452	ug/l	99
89) n-Butylbenzene	13.86	91	929634	54.968	ug/l	99
90) Hexachloroethane	14.12	117	196658	52.201	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	420978	51.286	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	25541	47.247	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	282048	50.697	ug/l	99
94) Hexachlorobutadiene	15.28	225	192175	52.571	ug/l	99
95) Naphthalene	15.41	128	454435	46.198	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	244793	50.919	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

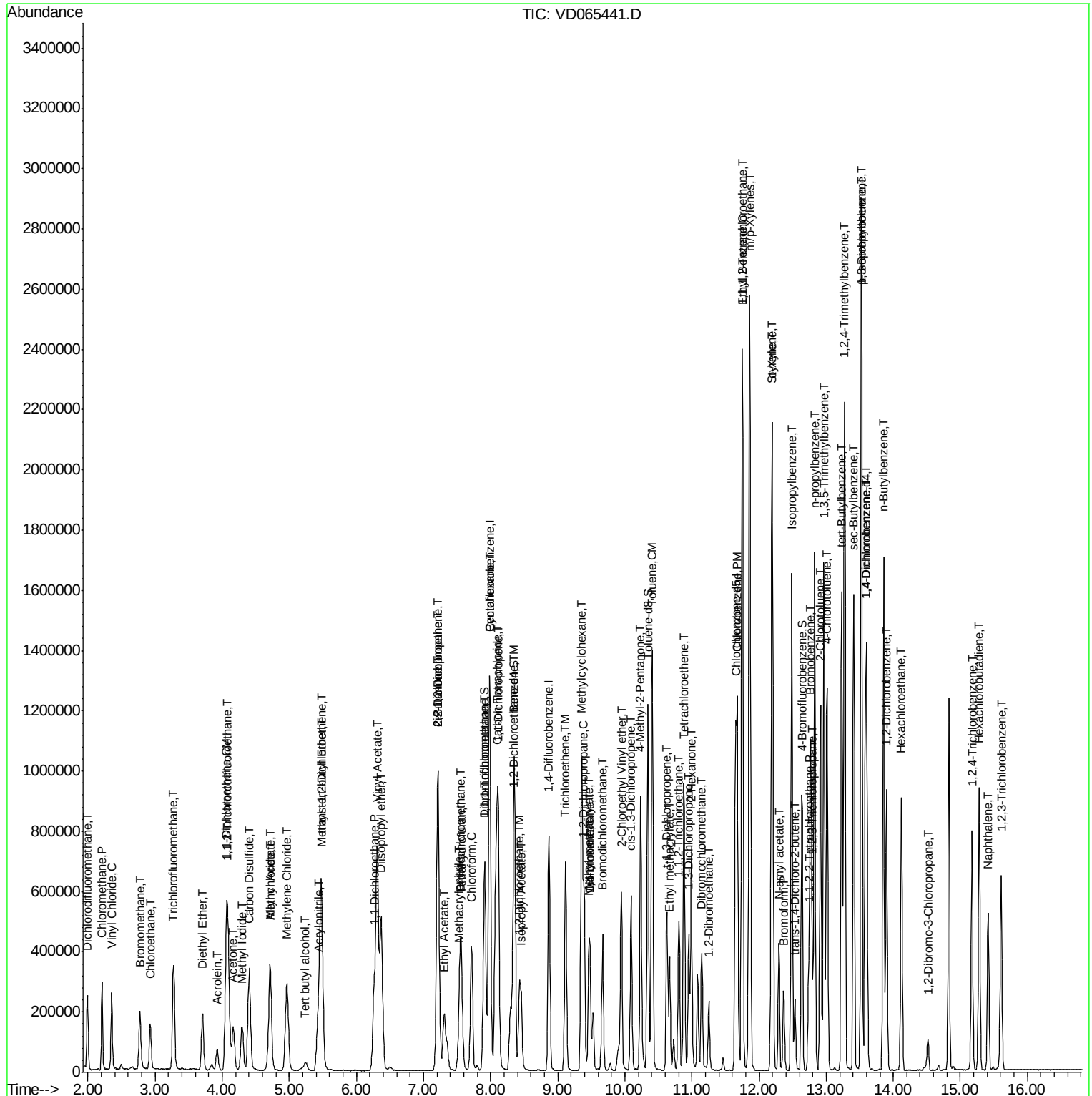
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030920\
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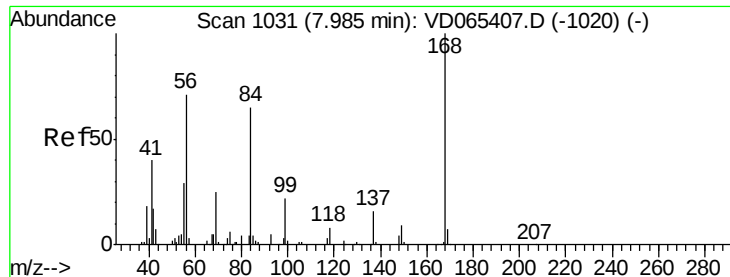
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065441.D

Acq: 09 Mar 2020 10:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 501832

Ion Ratio Lower Upper

168 100

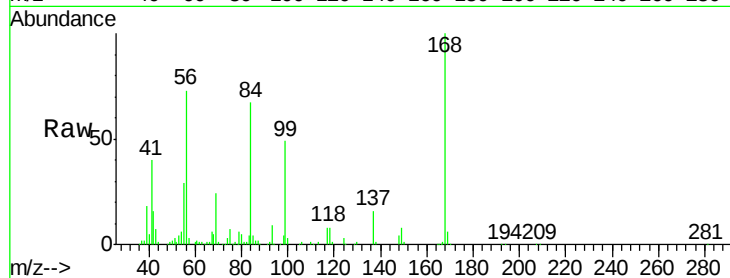
99 49.2 41.5 62.3

Manual Integrations

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3/10/2020 3:34:24 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

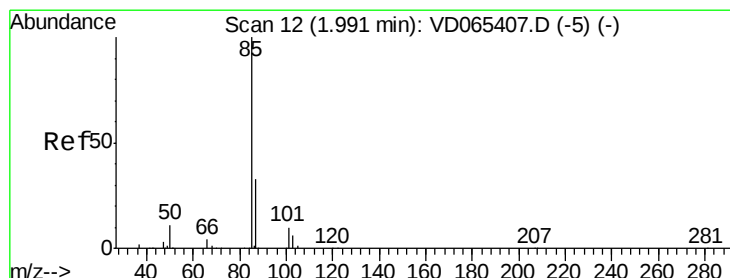
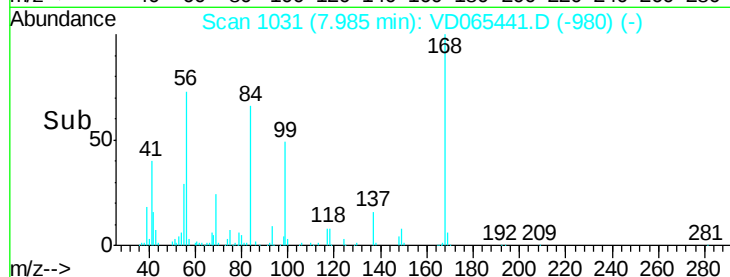
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 45.473 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065441.D

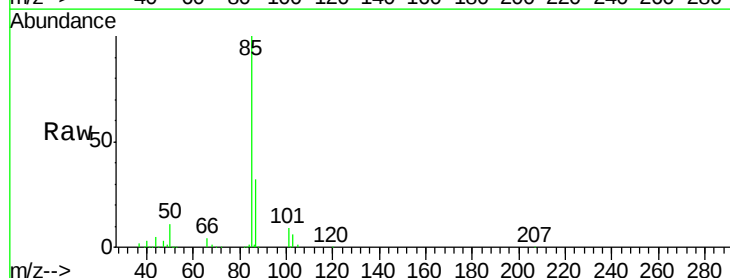
Acq: 09 Mar 2020 10:47

Tgt Ion: 85 Resp: 196122

Ion Ratio Lower Upper

85 100

87 31.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

150000

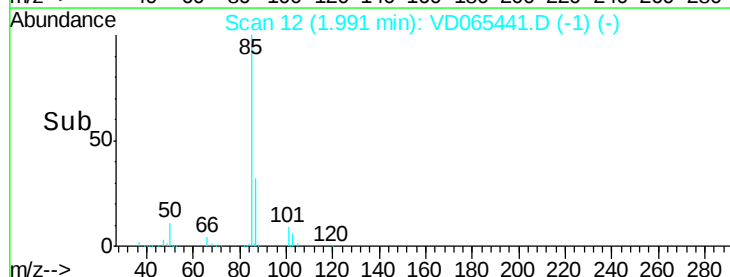
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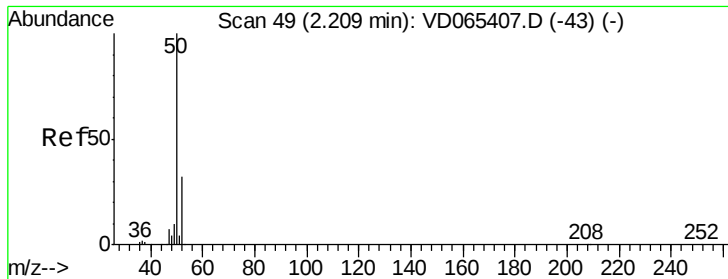
50000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 44.619 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065441.D

Acq: 09 Mar 2020 10:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 232334

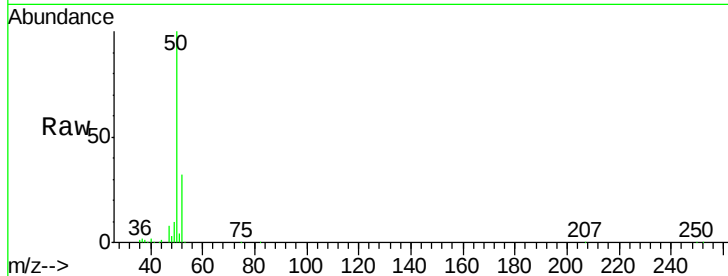
Ion Ratio Lower Upper

50 100

52 32.3 25.8 38.8

Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

200000

150000

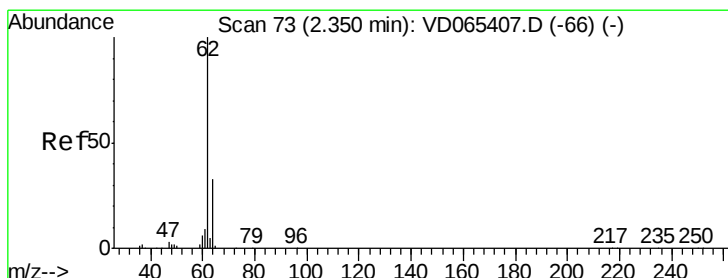
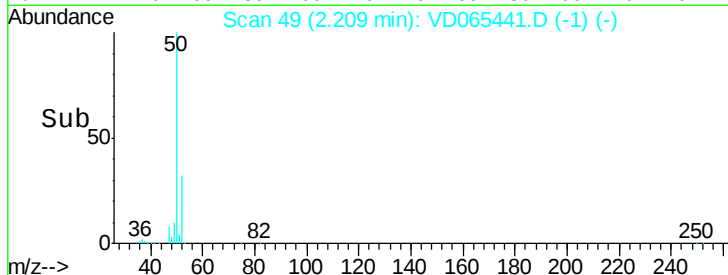
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50000

0

2.15 2.20 2.25 2.30

Time-->



#4

Vinyl Chloride

Concen: 46.965 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065441.D

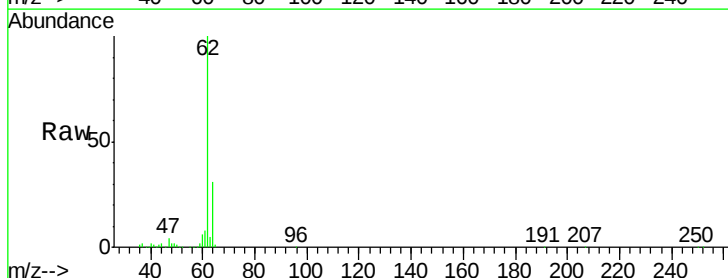
Acq: 09 Mar 2020 10:47

Tgt Ion: 62 Resp: 241208

Ion Ratio Lower Upper

62 100

64 31.5 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

150000

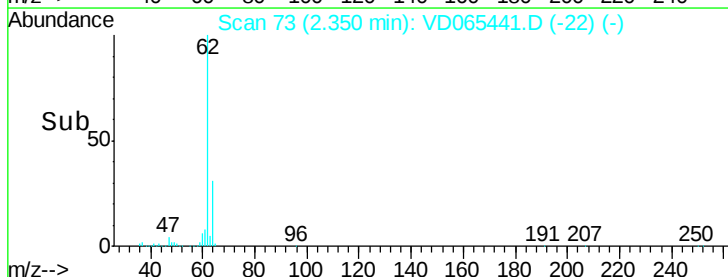
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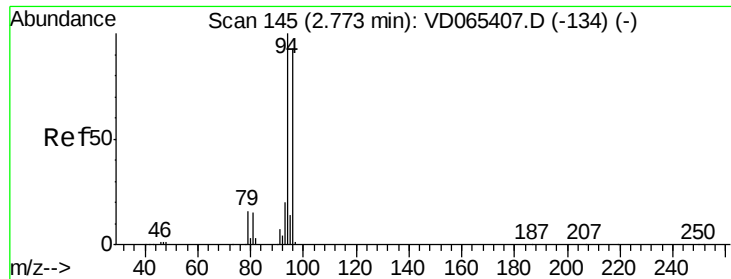
50000

0

2.30 2.40 2.50

Time-->





#5

Bromomethane

Concen: 51.494 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065441.D

Acq: 09 Mar 2020 10:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 147778

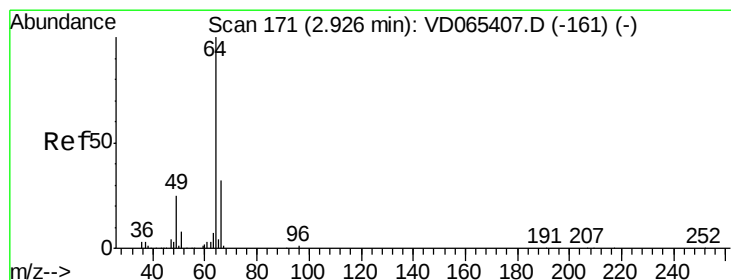
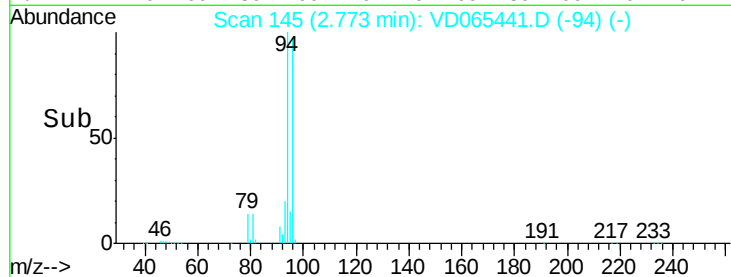
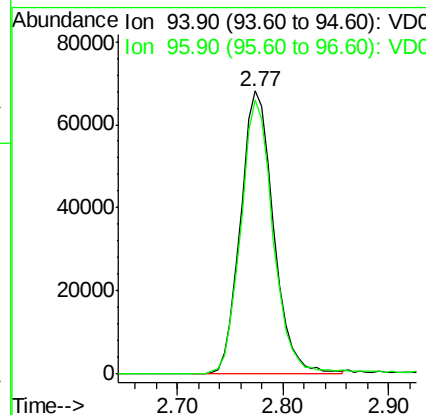
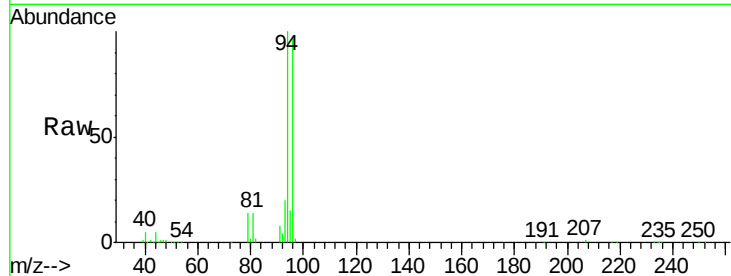
Ion Ratio Lower Upper

94 100

96 96.9 74.4 111.6

Manual Integrations
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3/10/2020 3:34:24 PM



#6

Chloroethane

Concen: 47.720 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065441.D

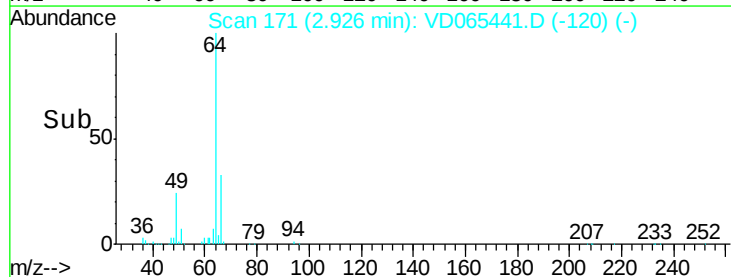
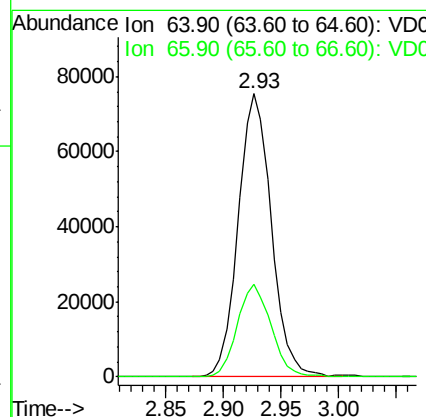
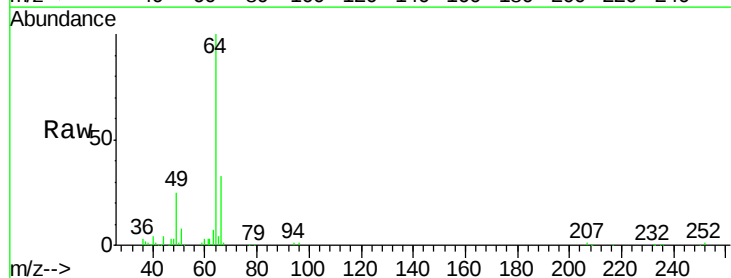
Acq: 09 Mar 2020 10:47

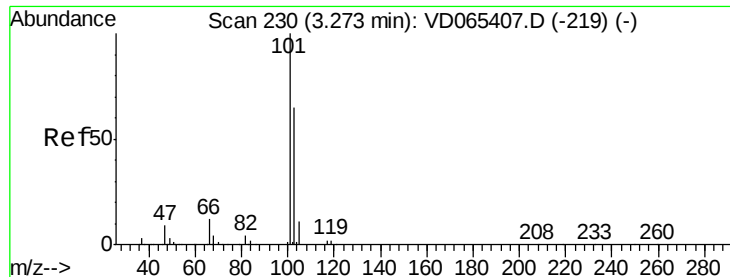
Tgt Ion: 64 Resp: 150105

Ion Ratio Lower Upper

64 100

66 32.8 25.6 38.4





#7

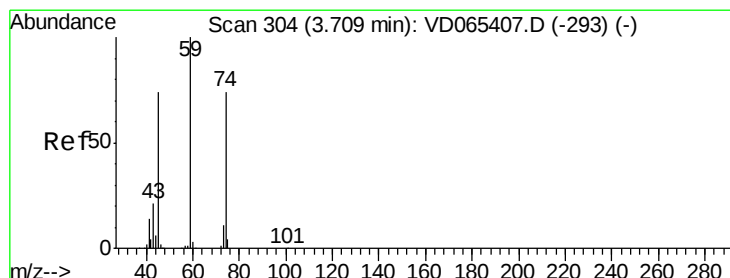
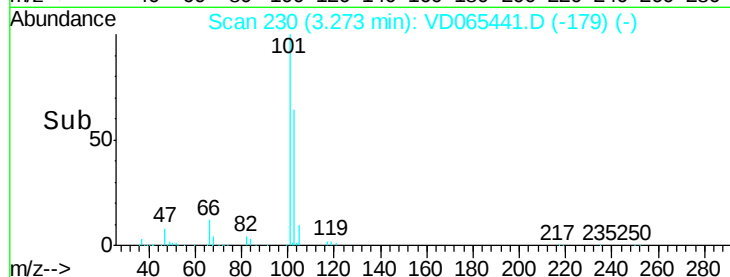
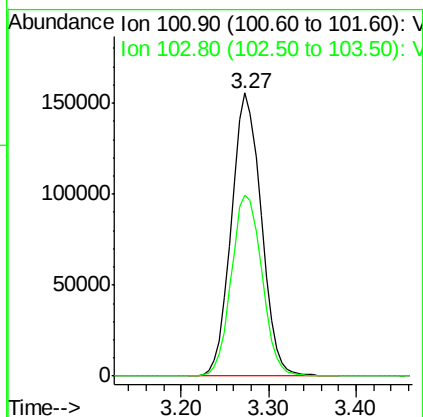
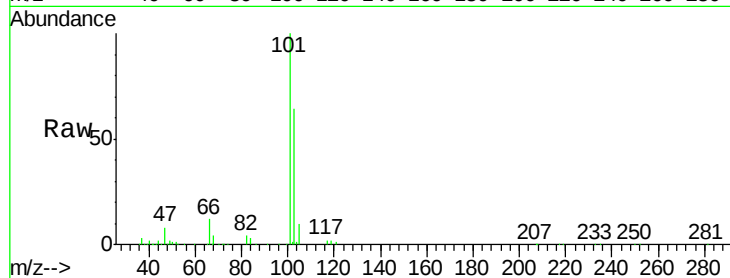
Trichlorofluoromethane
 Concen: 47.728 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065441.D
 Acq: 09 Mar 2020 10:47

Instrument :
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 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.1	78.1

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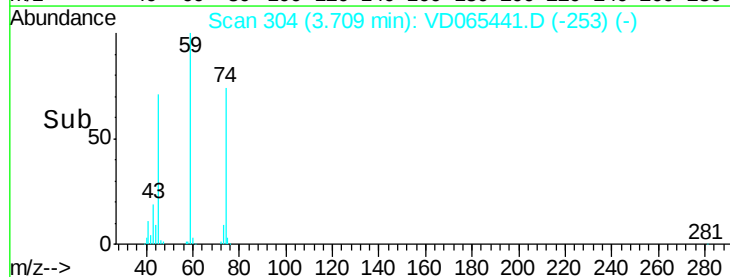
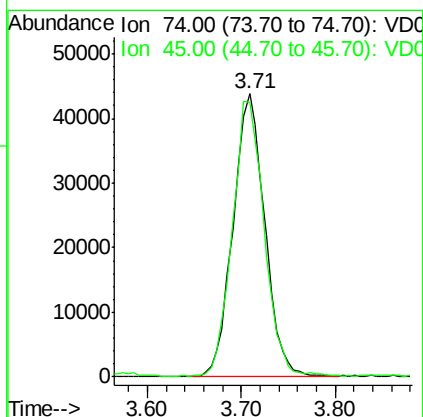
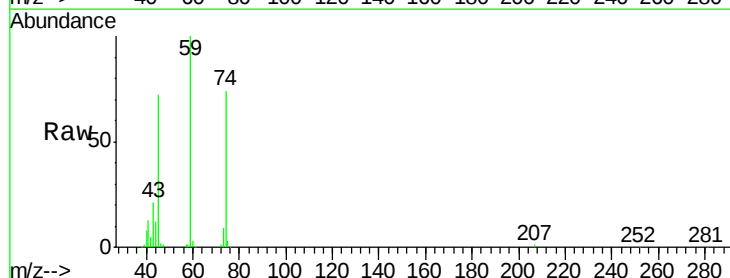
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 3/10/2020 3:34:24 PM

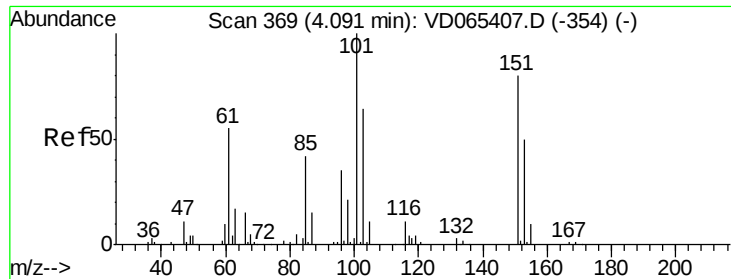


#8

Diethyl Ether
 Concen: 45.641 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065441.D
 Acq: 09 Mar 2020 10:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.7	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.921 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065441.D

Acq: 09 Mar 2020 10:47

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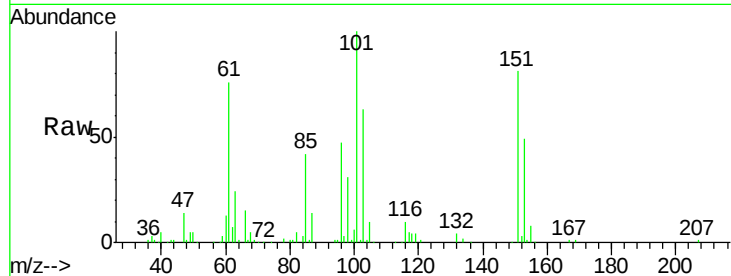
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	238438
Ion Ratio	Lower	Upper	
101	100		
85	41.8	34.2	51.2
151	79.8	65.1	97.7

Manual Integrations
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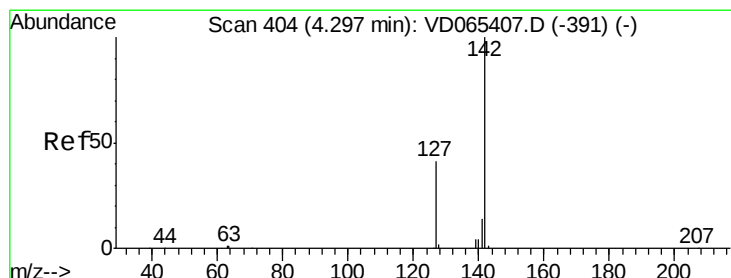
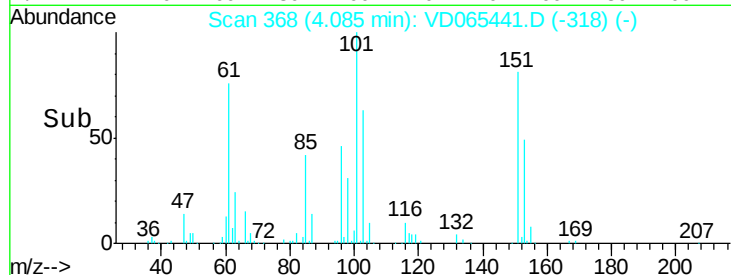
Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V

Time-->

4.09



#10

Methyl Iodide

Concen: 50.075 ug/l

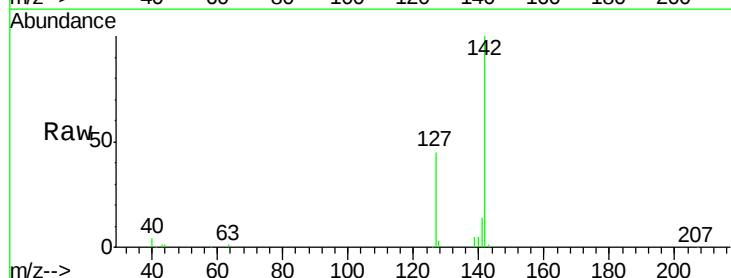
RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065441.D

Acq: 09 Mar 2020 10:47

Tgt Ion:	142	Resp:	253559
Ion Ratio	Lower	Upper	
142	100		
127	43.8	35.0	52.6
141	14.0	12.4	18.6



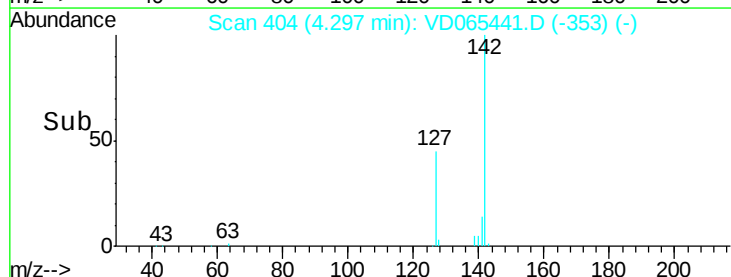
Abundance Ion 141.80 (141.50 to 142.50): V

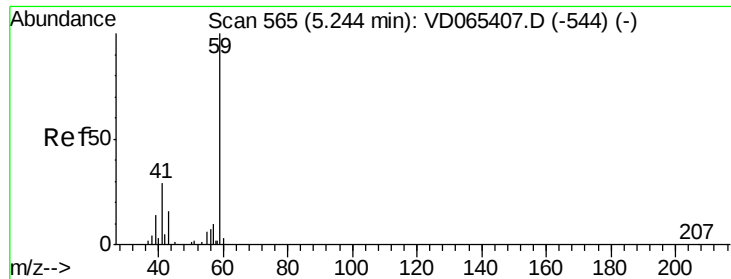
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

Time-->

4.30





#11

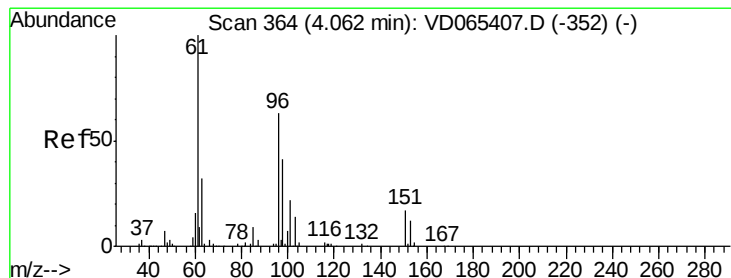
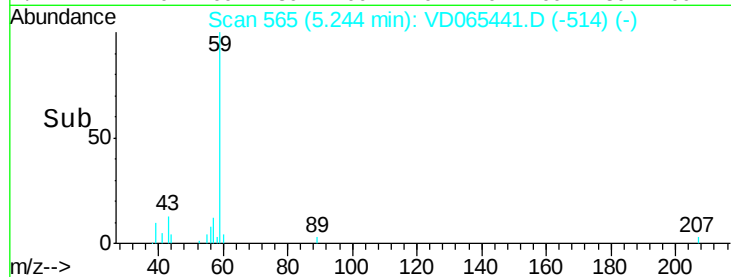
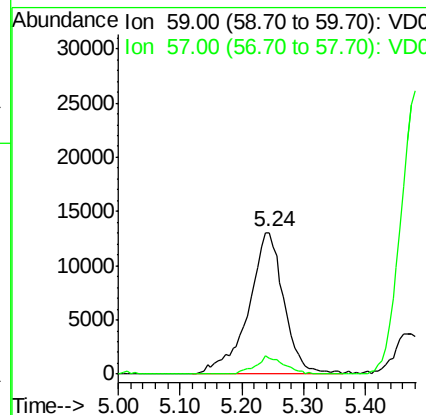
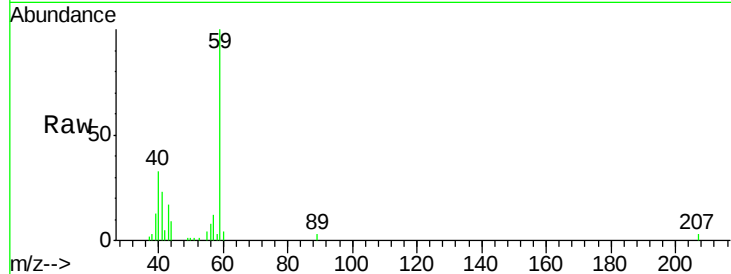
Tert butyl alcohol
Concen: 210.314 ug/l
RT: 5.24 min Scan# 565
Delta R.T. 0.00 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	51930
Ion Ratio	100	Lower	Upper
57	10.0	6.9	10.3

Manual Integrations
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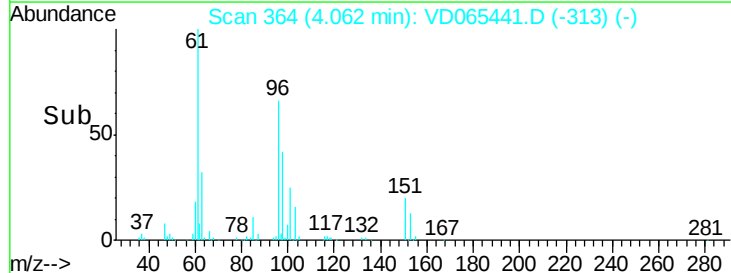
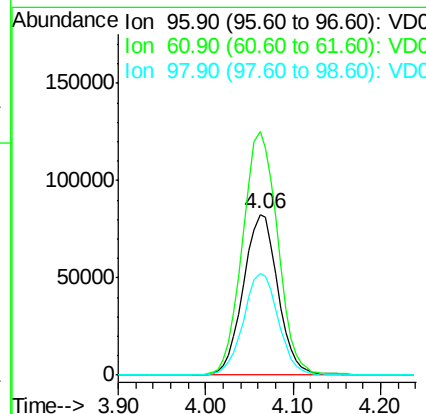
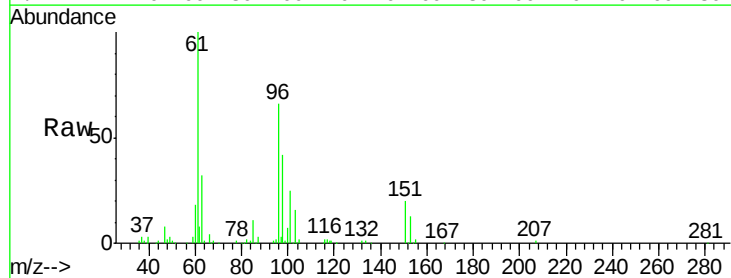
MMDadoda
3/10/2020 3:34:24 PM

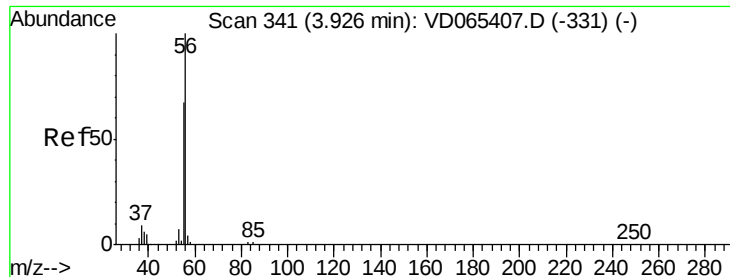


#12

1,1-Dichloroethene
Concen: 47.478 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Tgt Ion	96	Resp	221585
Ion Ratio	100	Lower	Upper
61	151.7	128.0	192.0
98	63.5	51.9	77.9





#13

Acrolein

Concen: 190.869 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065441.D

Acq: 09 Mar 2020 10:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 81279

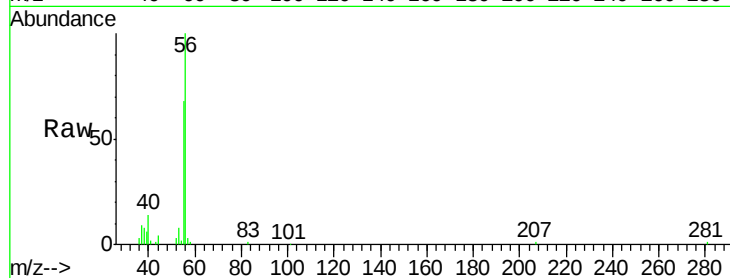
Ion Ratio Lower Upper

56 100

55 73.2 56.6 85.0

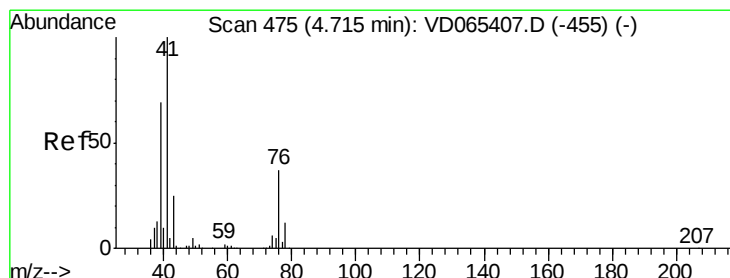
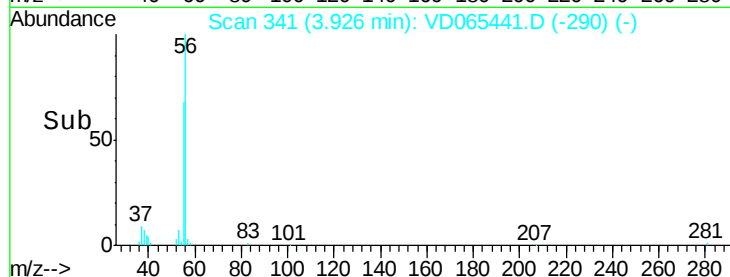
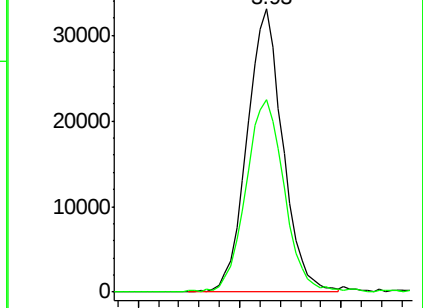
Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 46.994 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065441.D

Acq: 09 Mar 2020 10:47

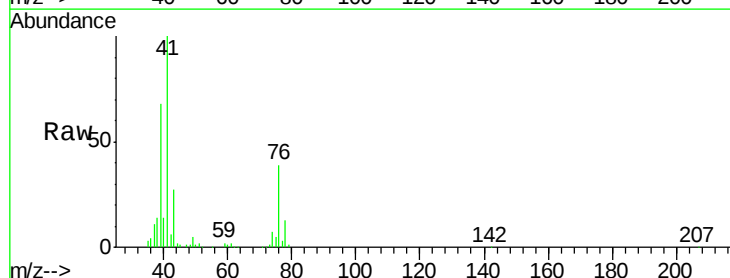
Tgt Ion: 41 Resp: 336924

Ion Ratio Lower Upper

41 100

39 65.4 52.6 79.0

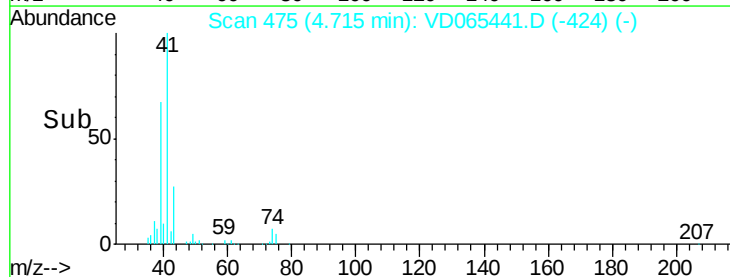
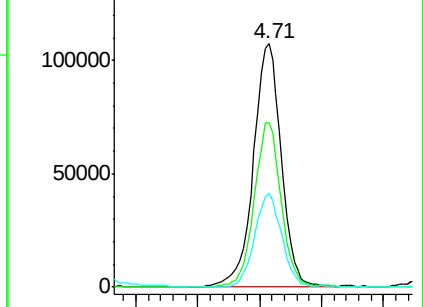
76 36.6 29.2 43.8

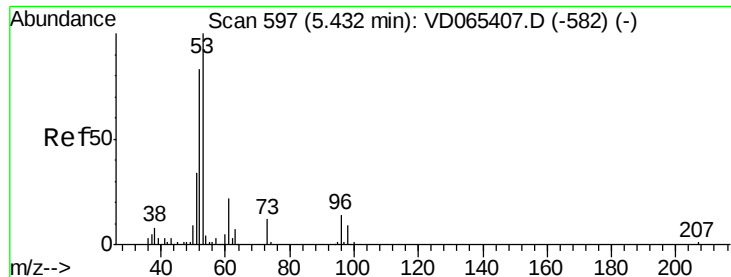


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 227.051 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065441.D

Acq: 09 Mar 2020 10:47

Instrument :

MSVOA_D

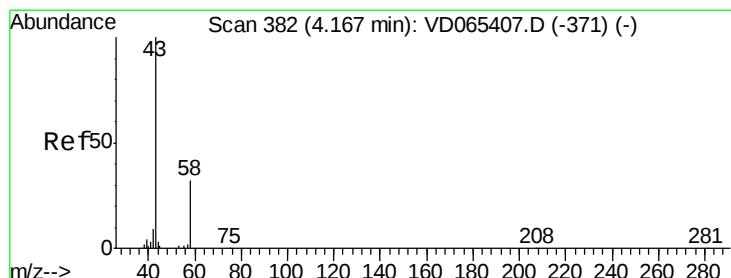
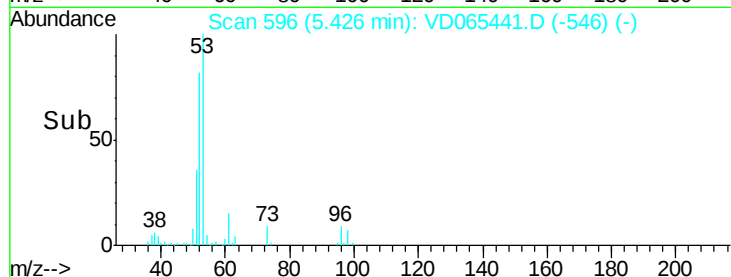
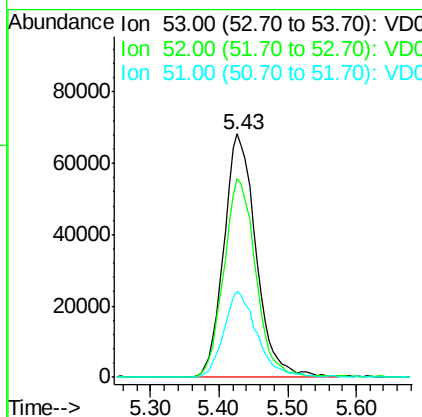
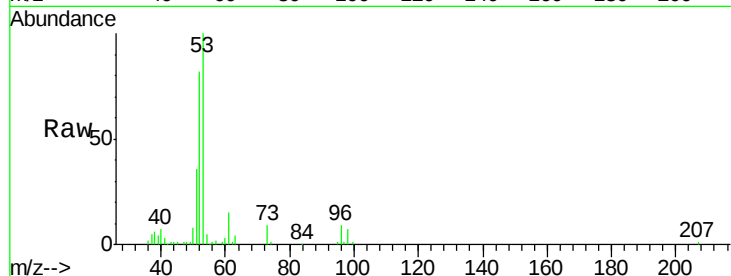
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	222297
Ion Ratio		Lower	Upper
53	100		
52	80.7	65.1	97.7
51	36.4	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 293.383 ug/l

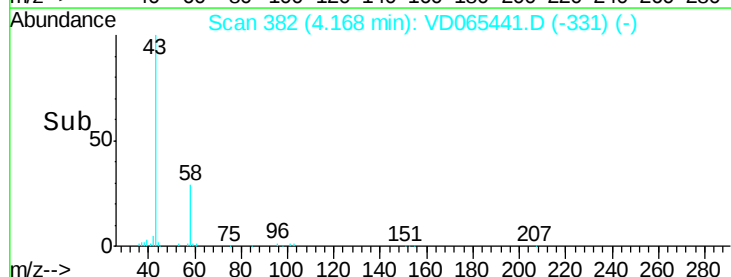
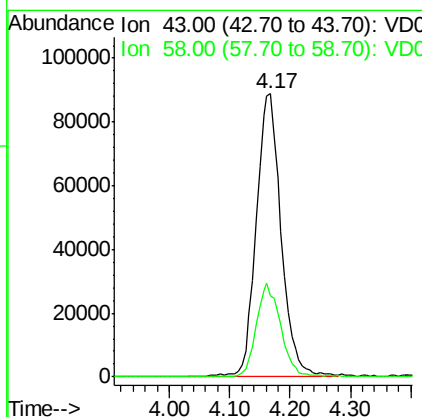
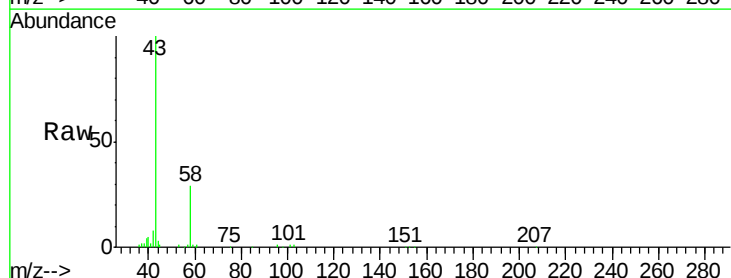
RT: 4.17 min Scan# 382

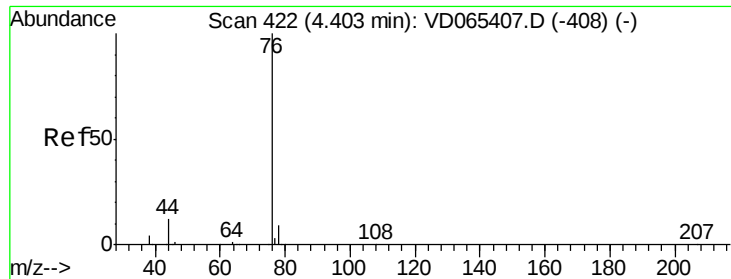
Delta R.T. 0.00 min

Lab File: VD065441.D

Acq: 09 Mar 2020 10:47

Tgt Ion:	43	Resp:	255415
Ion Ratio		Lower	Upper
43	100		
58	28.7	25.1	37.7





#17

Carbon Disulfide

Concen: 46.931 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065441.D

Acq: 09 Mar 2020 10:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 729422

Ion Ratio Lower Upper

76 100

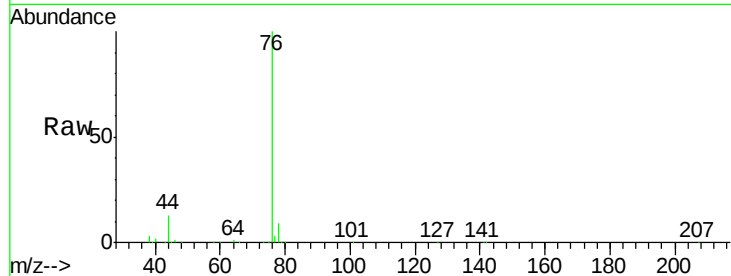
78 9.0 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

250000

200000

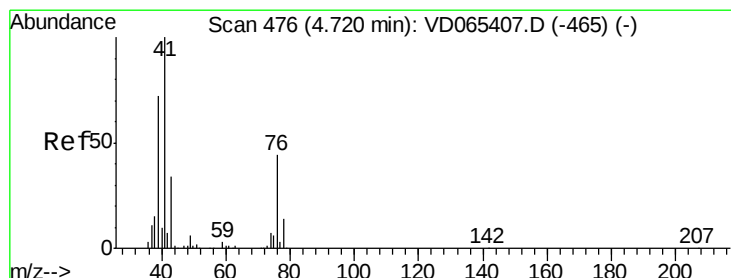
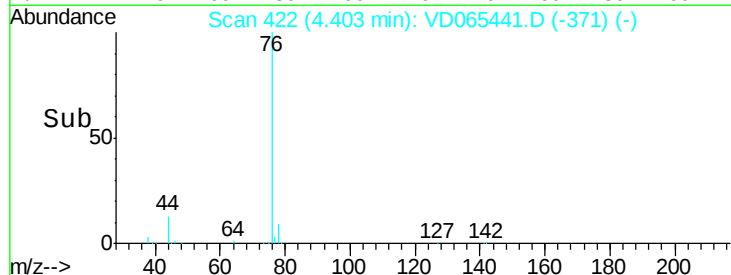
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 43.365 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD065441.D

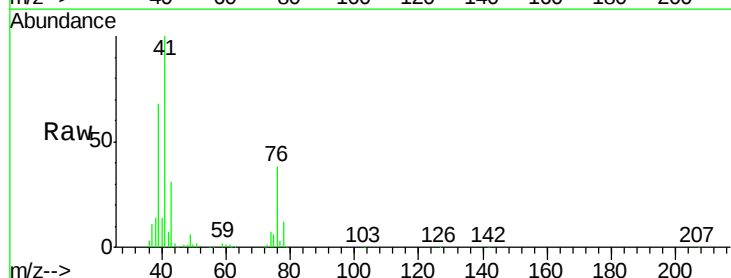
Acq: 09 Mar 2020 10:47

Tgt Ion: 43 Resp: 95766

Ion Ratio Lower Upper

43 100

74 23.7 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

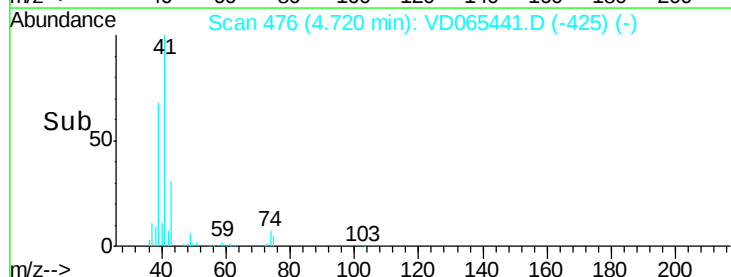
30000

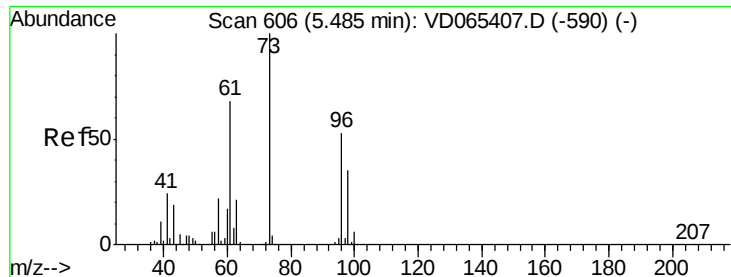
20000

10000

0

Time-->





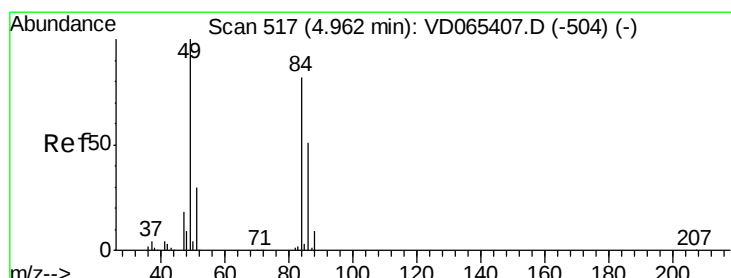
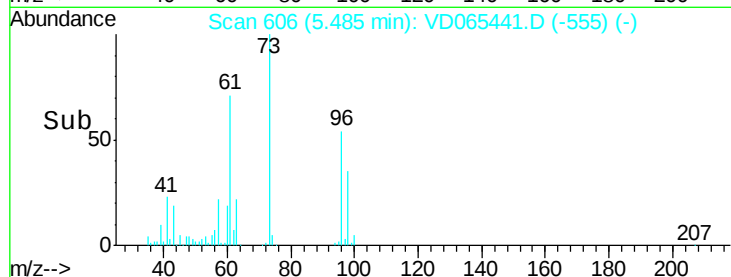
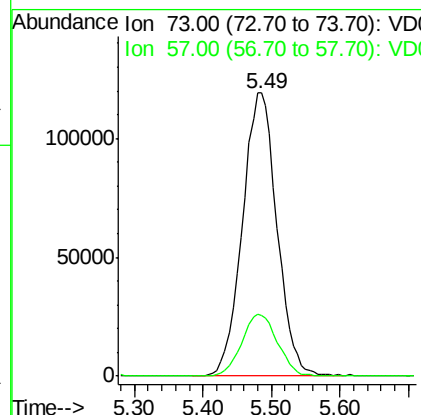
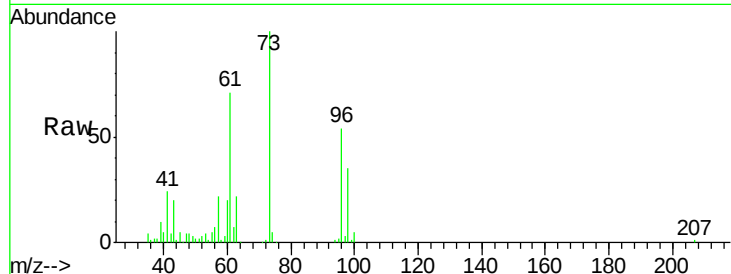
#19
Methvl tert-butvl Ether
Concen: 46.422 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 416643
Ion Ratio Lower Upper
73 100
57 21.6 17.3 25.9

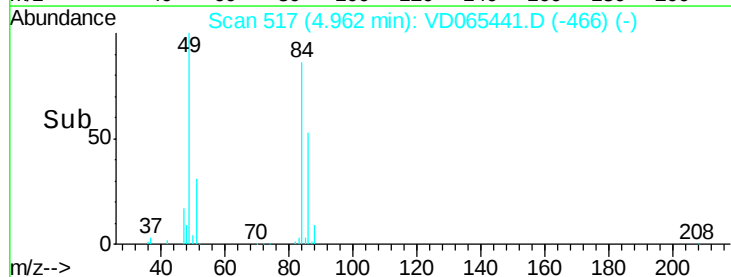
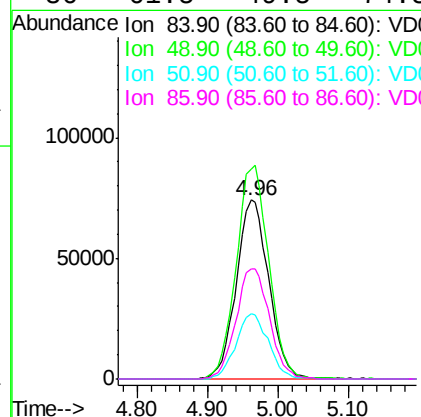
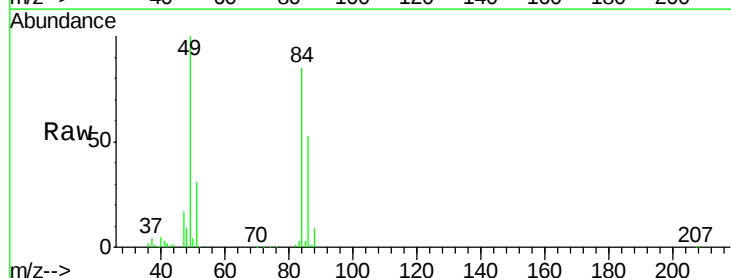
Manual Integrations
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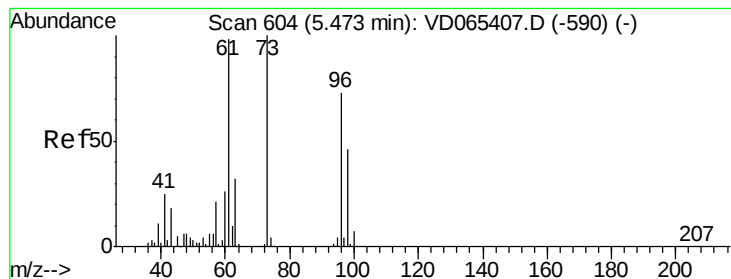
MMDadoda
3/10/2020 3:34:24 PM



#20
Methylene Chloride
Concen: 50.523 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Tgt Ion: 84 Resp: 238688
Ion Ratio Lower Upper
84 100
49 117.0 97.7 146.5
51 36.3 28.8 43.2
86 61.5 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 48.950 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065441.D

Acq: 09 Mar 2020 10:47

Instrument :

MSVOA_D

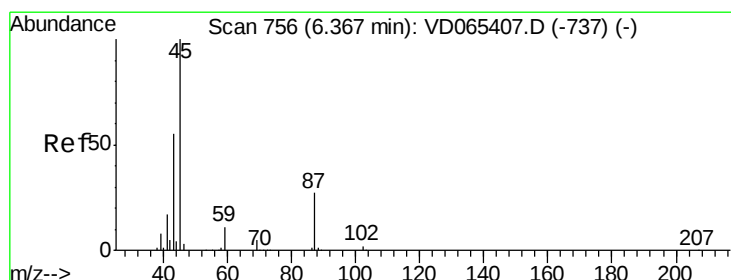
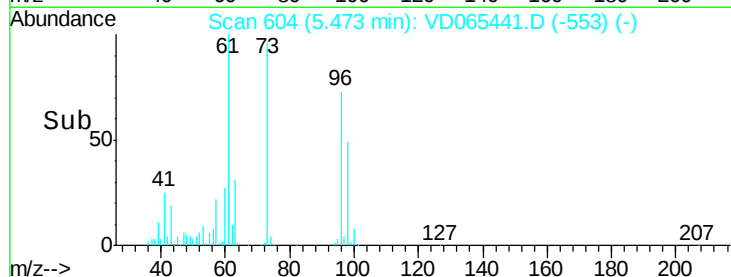
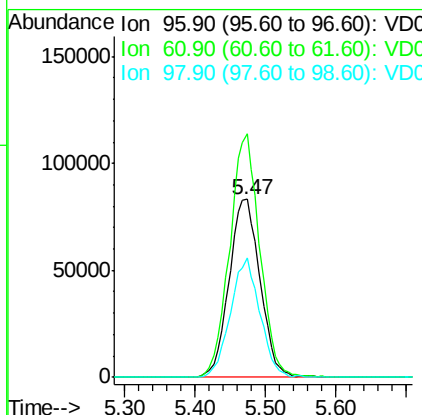
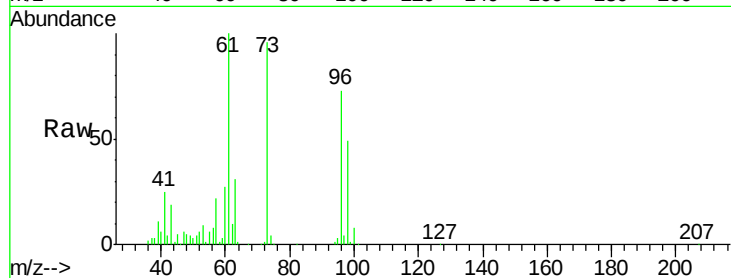
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	254135
Ion	Ratio	Lower	Upper
96	100		
61	136.8	106.3	159.5
98	67.1	50.2	75.4

Manual Integrations
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3/10/2020 3:34:24 PM



#22

Diisopropyl ether

Concen: 48.816 ug/l

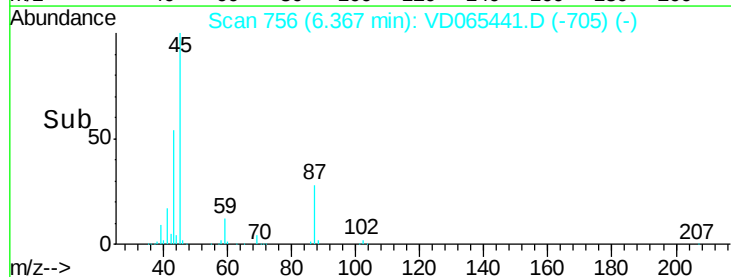
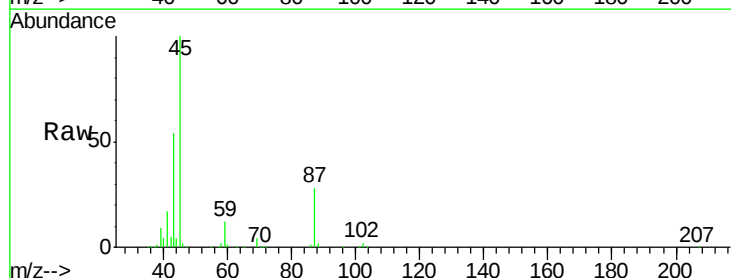
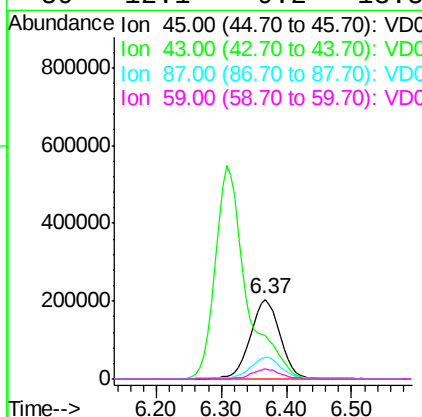
RT: 6.37 min Scan# 756

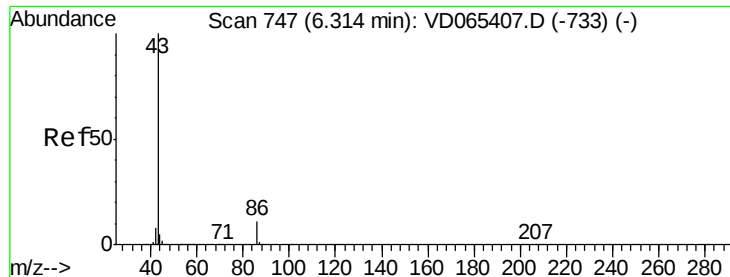
Delta R.T. 0.00 min

Lab File: VD065441.D

Acq: 09 Mar 2020 10:47

Tgt Ion:	45	Resp:	650604
Ion	Ratio	Lower	Upper
45	100		
43	53.2	44.4	66.6
87	27.3	21.9	32.9
59	12.1	9.2	13.8





#23

Vinyl Acetate

Concen: 244.430 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065441.D

Acq: 09 Mar 2020 10:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1808824

Ion Ratio Lower Upper

43 100

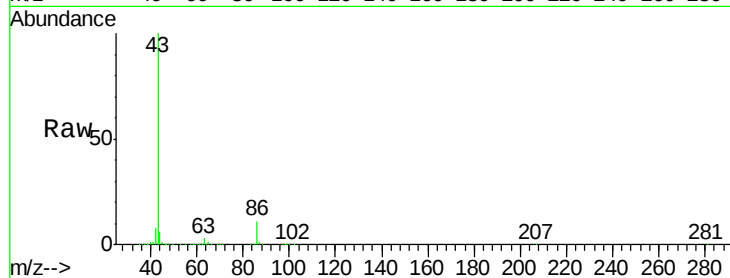
86 11.0 8.9 13.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

600000

500000

400000

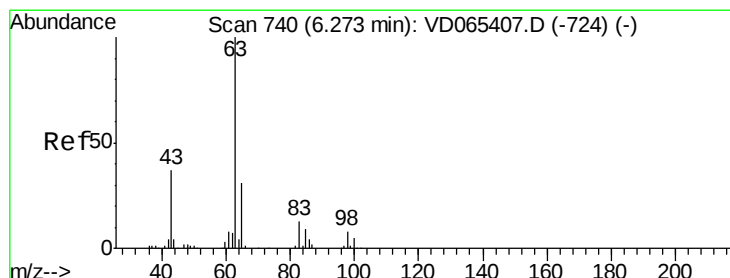
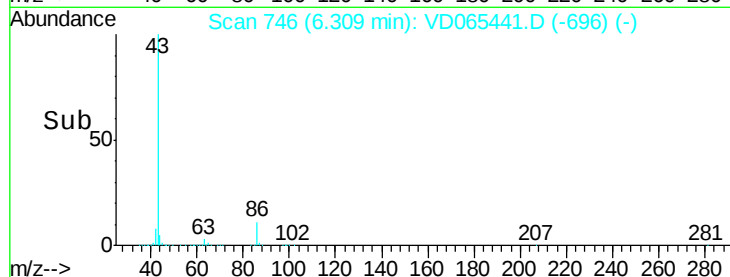
300000

200000

100000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 47.910 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065441.D

Acq: 09 Mar 2020 10:47

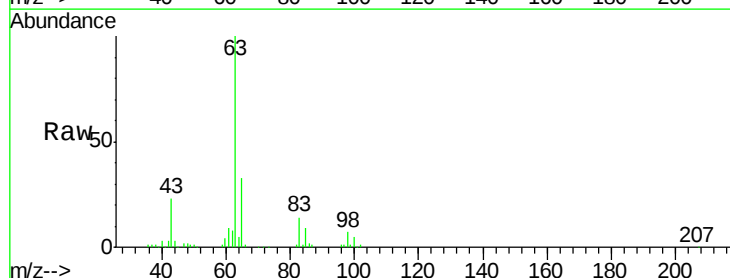
Tgt Ion: 63 Resp: 409558

Ion Ratio Lower Upper

63 100

98 7.2 4.2 12.6

100 5.0 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

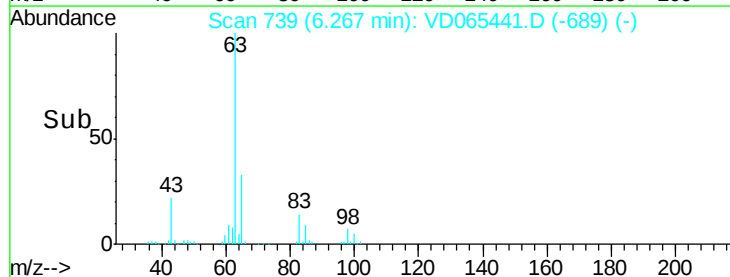
150000

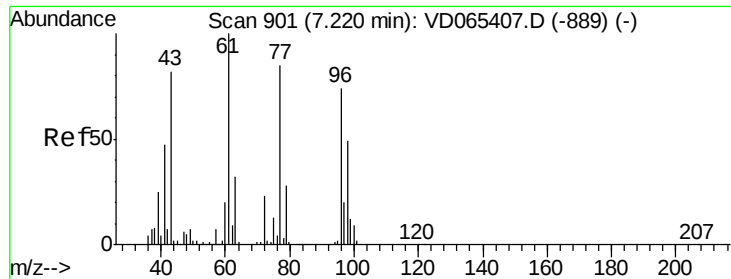
100000

50000

0

Time--> 6.10 6.20 6.30 6.40





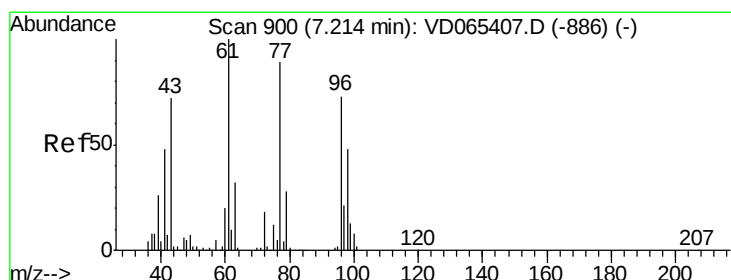
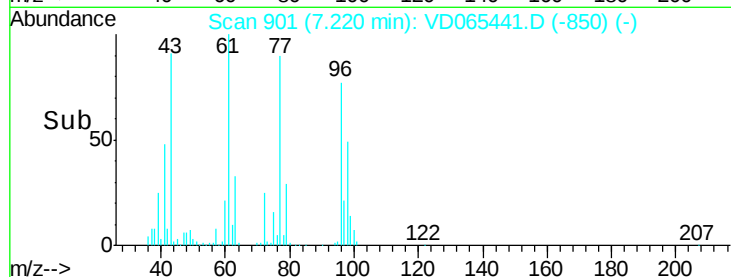
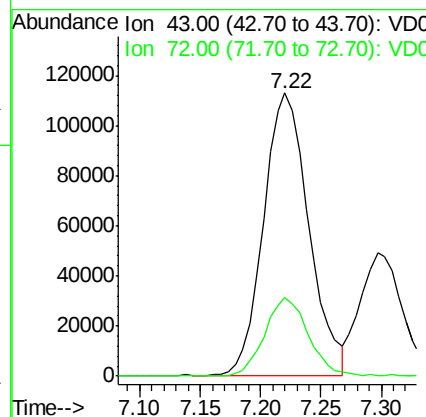
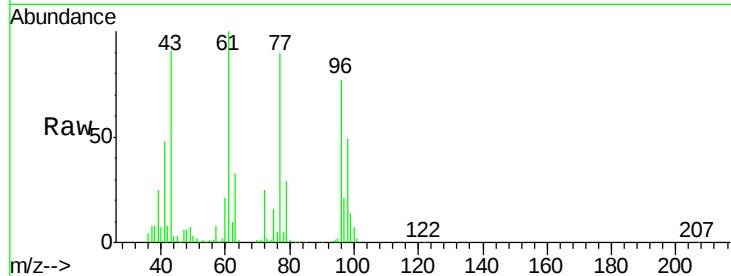
#25
2-Butanone
Concen: 246.961 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 293401
Ion Ratio Lower Upper
43 100
72 27.9 22.3 33.5

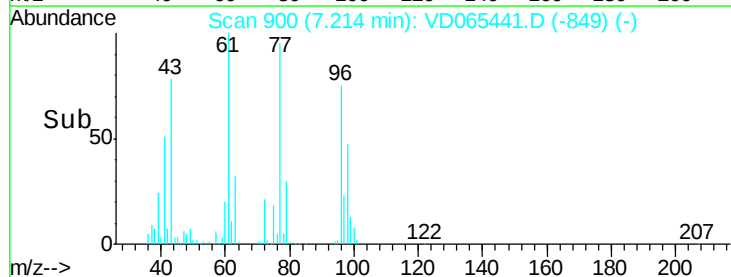
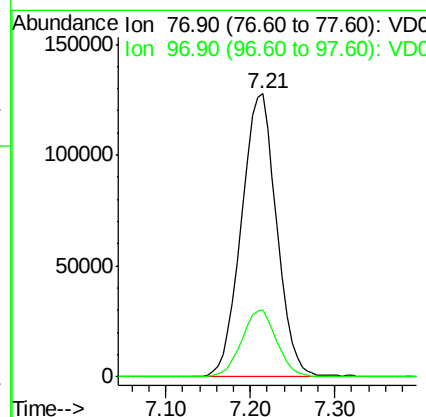
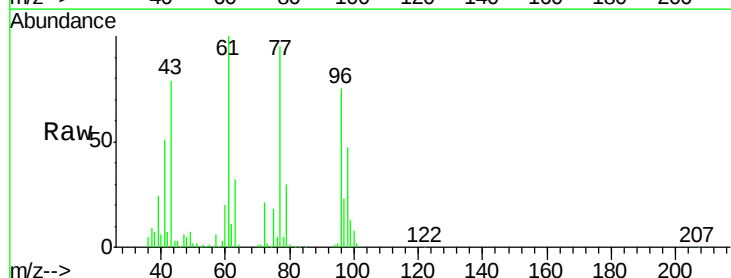
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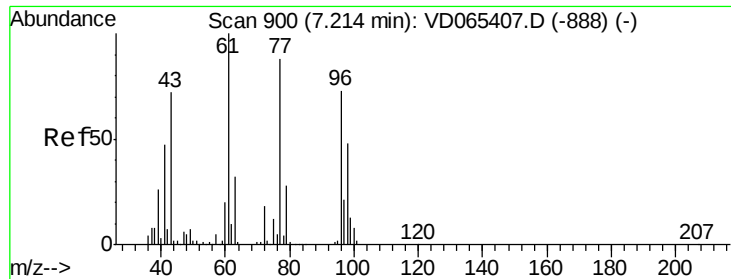
MMDadoda
3/10/2020 3:34:24 PM



#26
2,2-Dichloropropane
Concen: 49.471 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Tgt Ion: 77 Resp: 369572
Ion Ratio Lower Upper
77 100
97 23.5 11.8 35.4





#27

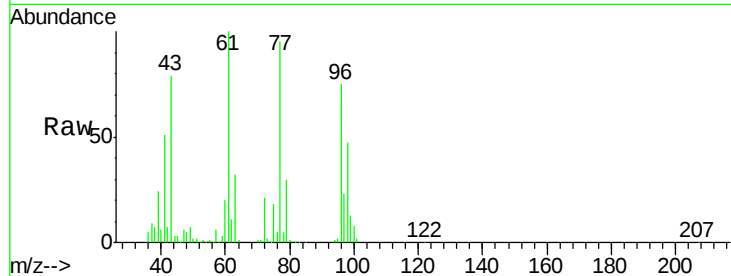
cis-1,2-Dichloroethene
 Concen: 48.857 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065441.D
 Acq: 09 Mar 2020 10:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

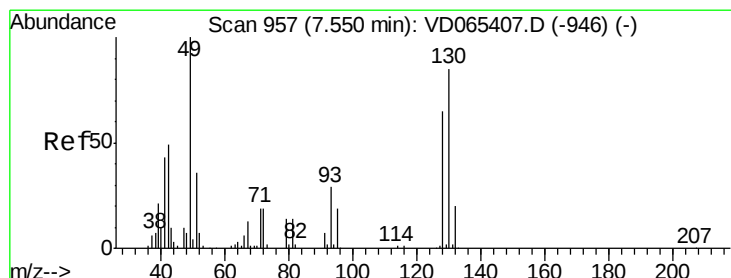
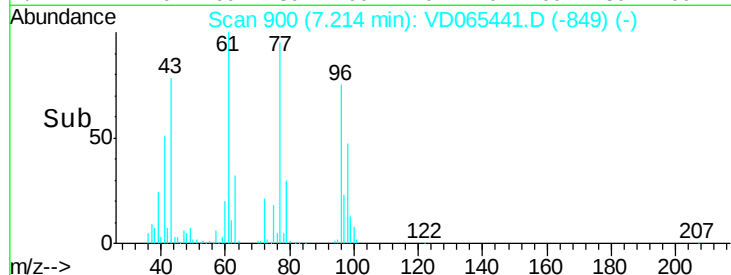
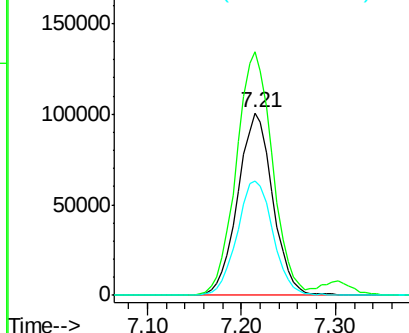
Tot Ion	Ratio	Resp	Lower	Upper
96	100	259272		
61	137.8		0.0	280.4
98	64.6		0.0	132.6

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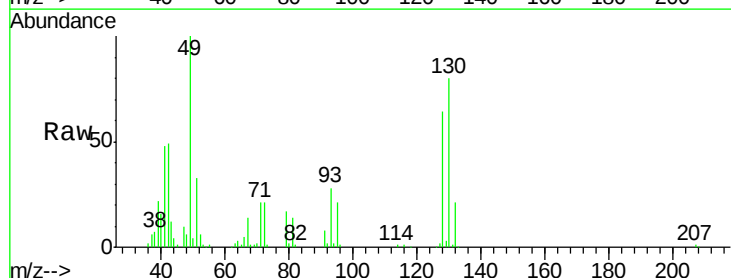
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



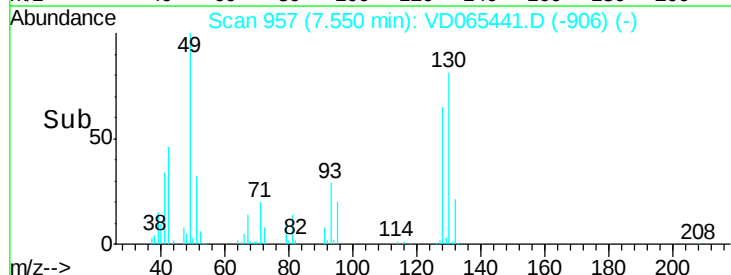
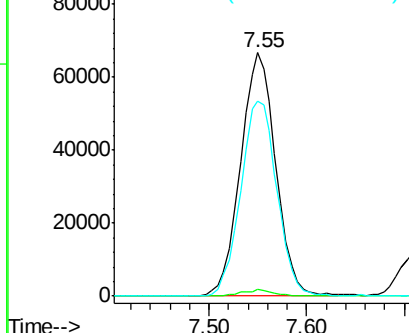
#28

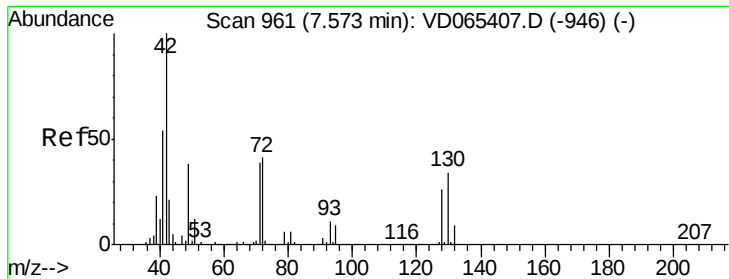
Bromochloromethane
 Concen: 49.104 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065441.D
 Acq: 09 Mar 2020 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	167943		
129	2.3		0.0	4.6
130	82.8		66.6	100.0



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





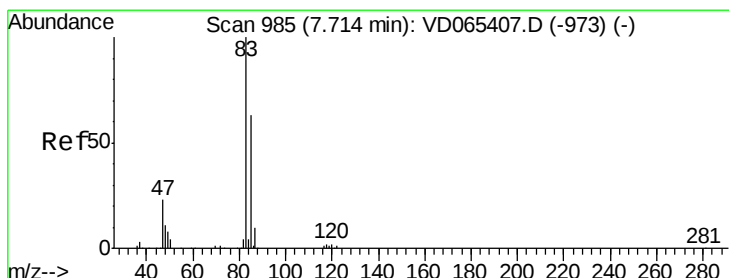
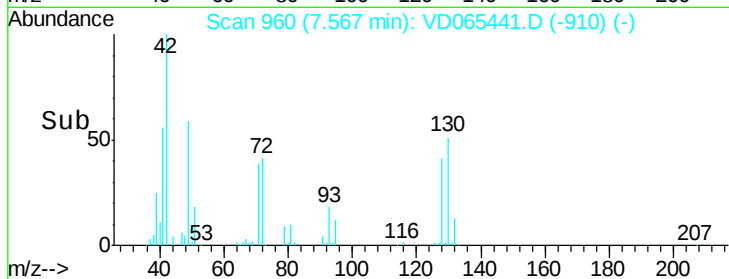
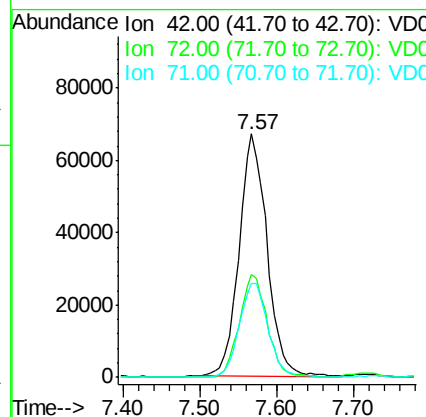
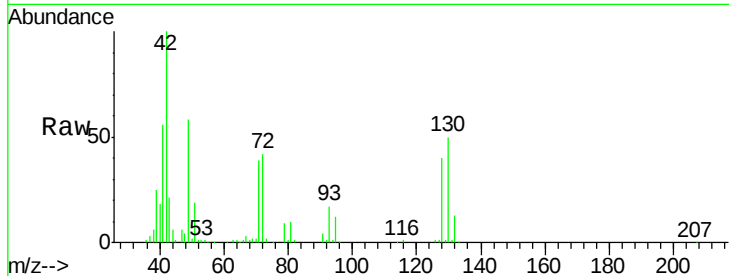
#29
Tetrahydrofuran
Concen: 225.285 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	33.0	49.6
71	39.9	32.0	48.0

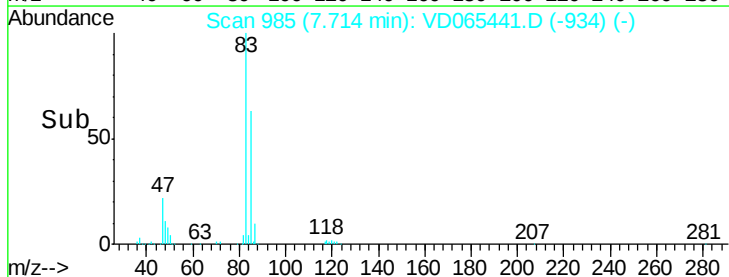
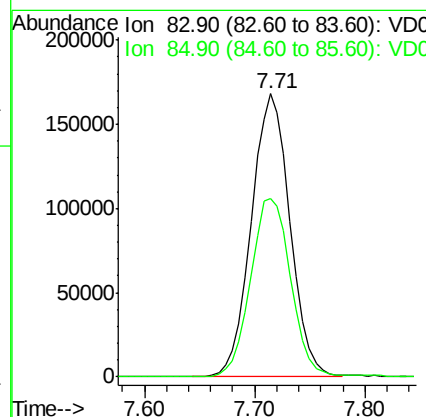
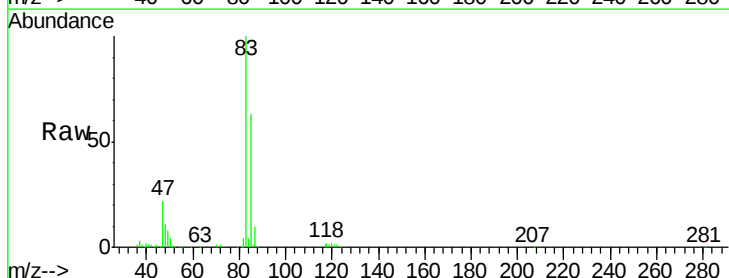
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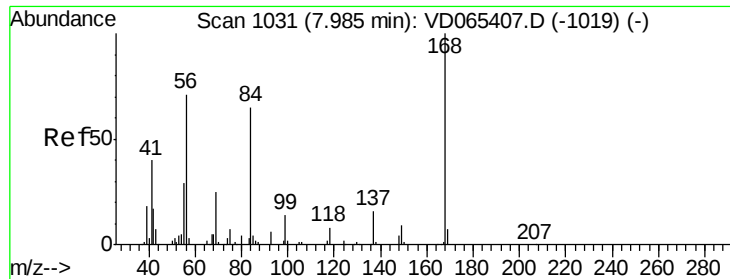
MMDadoda
3/10/2020 3:34:24 PM



#30
Chloroform
Concen: 48.261 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.3	75.5





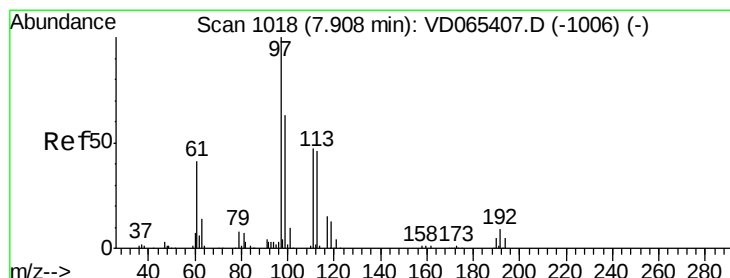
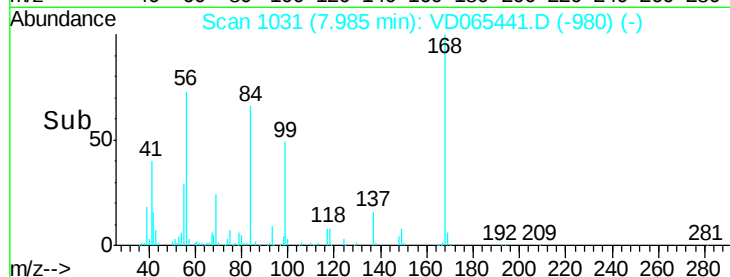
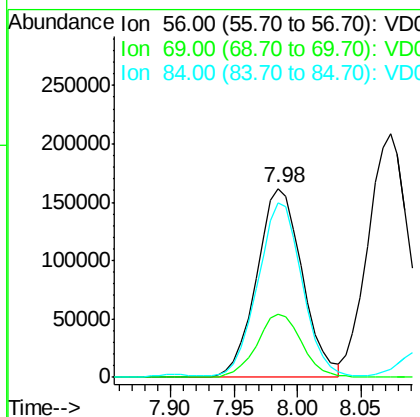
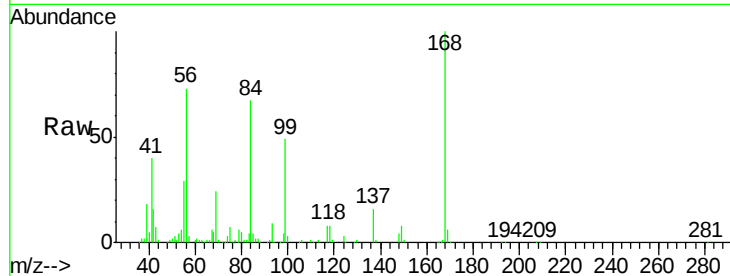
#31
Cyclohexane
Concen: 47.368 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	33.4	28.3	42.5	
84	91.4	73.1	109.7	

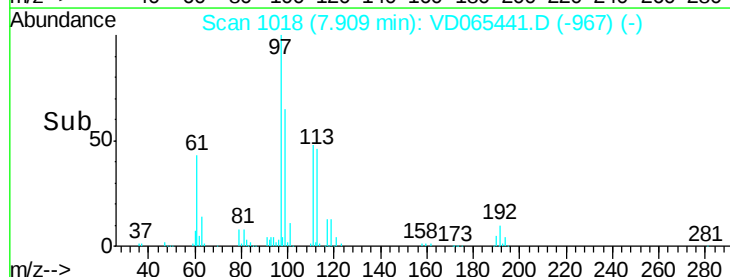
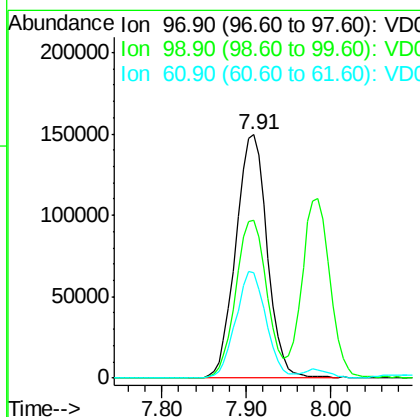
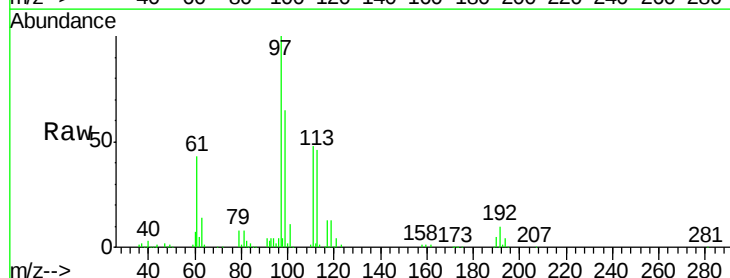
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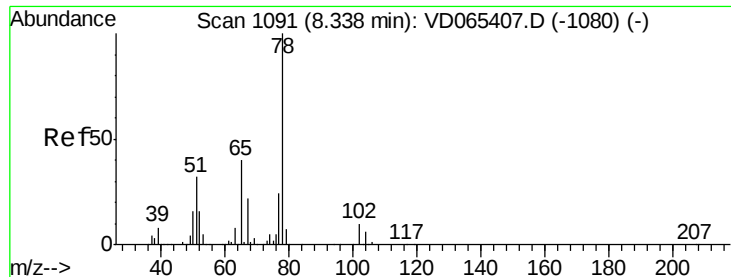
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#32
1,1,1-Trichloroethane
Concen: 48.774 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.4	50.9	76.3	
61	42.7	33.2	49.8	





#33

1,2-Dichloroethane-d4

Concen: 45.099 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065441.D

Acq: 09 Mar 2020 10:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 194139

Ion Ratio Lower Upper

65 100

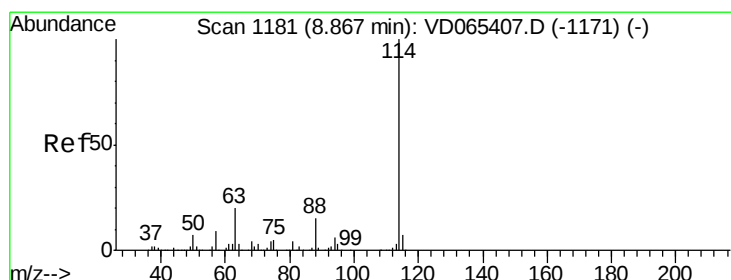
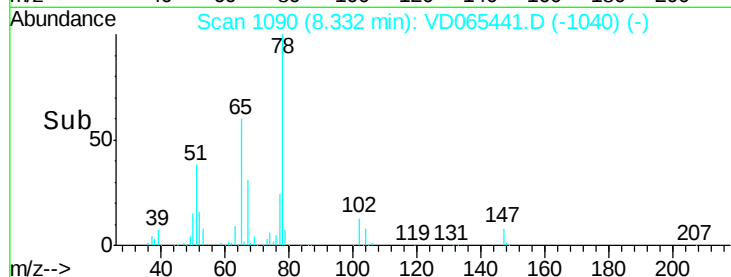
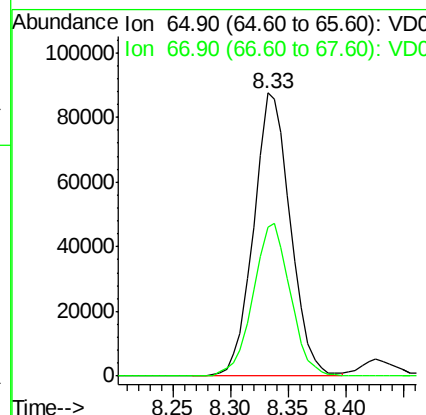
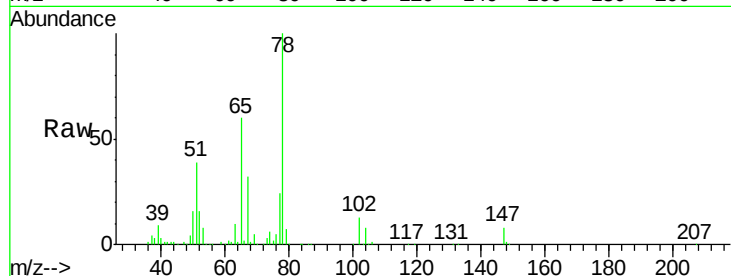
67 54.7 0.0 108.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065441.D

Acq: 09 Mar 2020 10:47

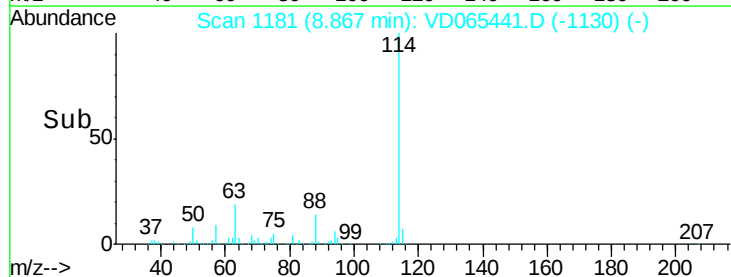
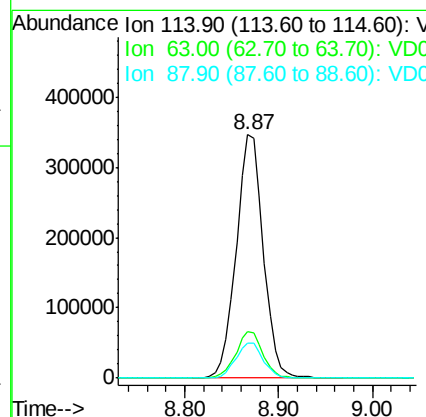
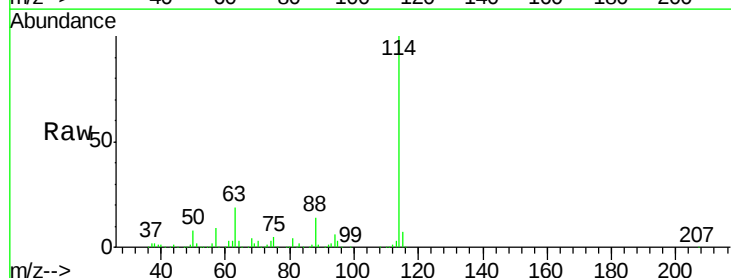
Tgt Ion: 114 Resp: 692390

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.6

88 14.1 0.0 30.4





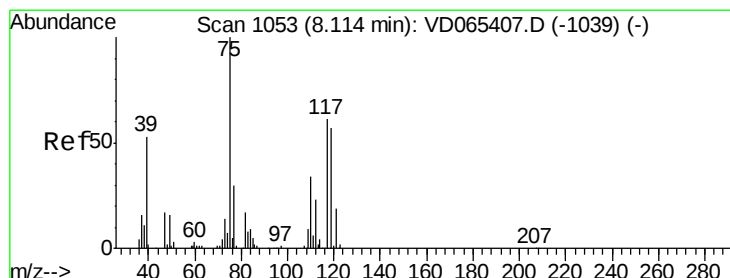
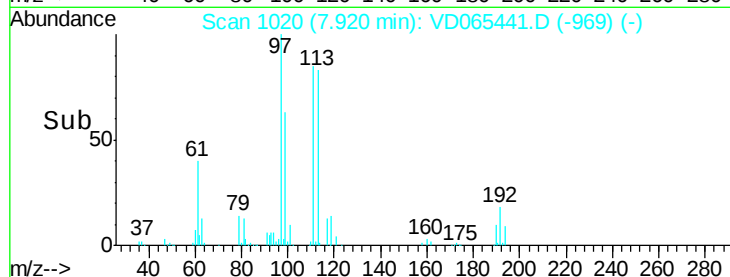
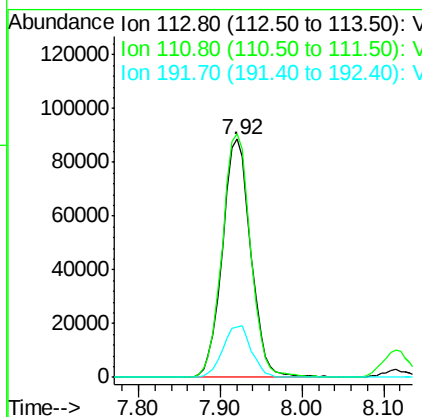
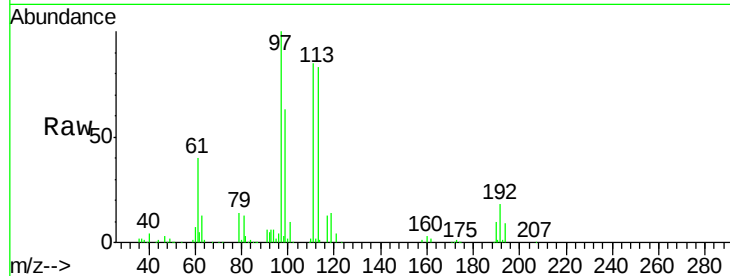
#35
Dibromofluoromethane
Concen: 50.154 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.1	123.1
192	21.8	17.2	25.8

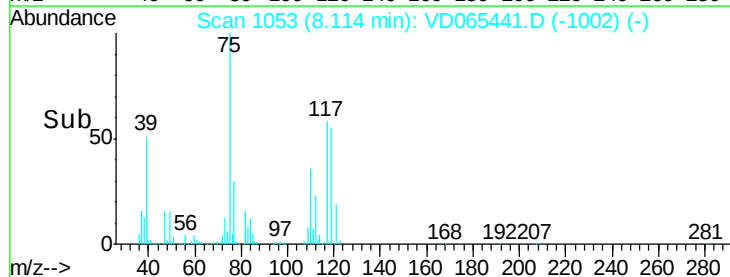
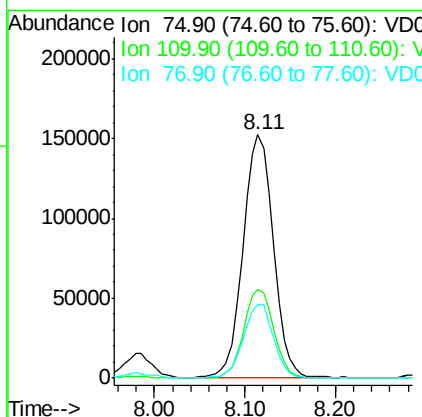
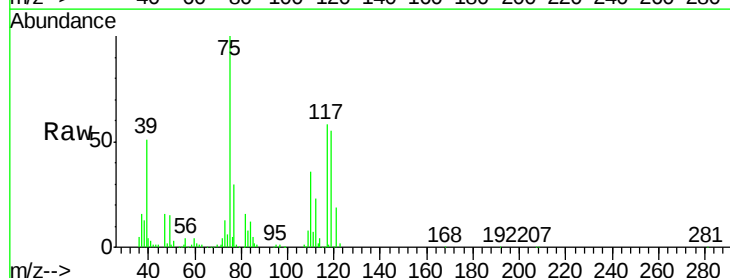
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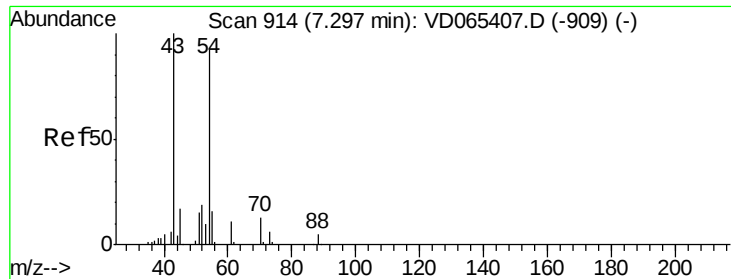
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#36
1,1-Dichloropropene
Concen: 53.210 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	18.1	54.1
77	29.9	25.2	37.8





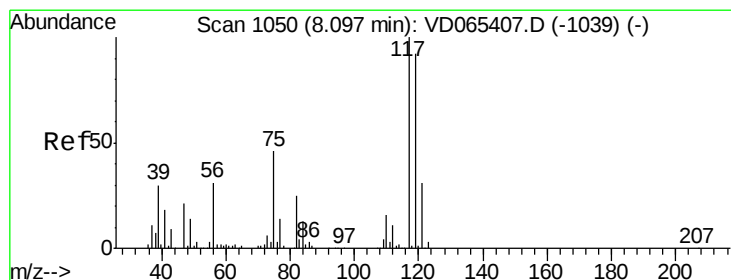
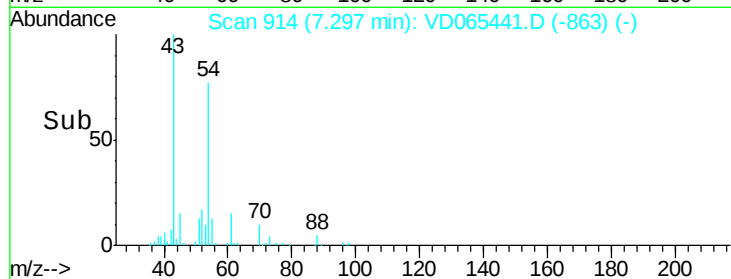
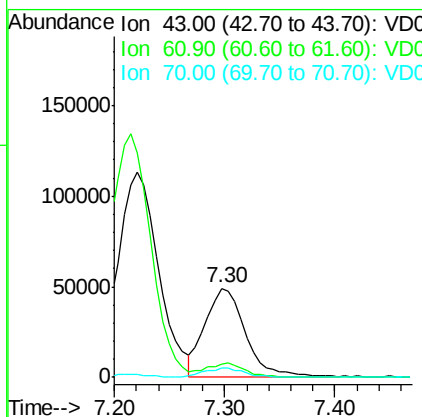
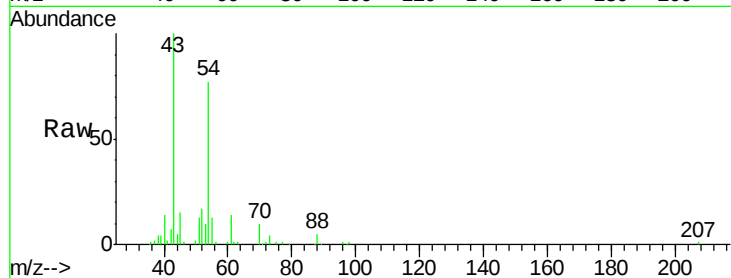
#37
Ethyl Acetate
Concen: 47.980 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	11.4	17.0
70	10.6	9.0	13.4

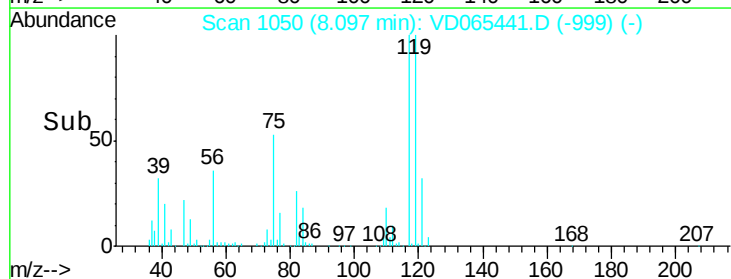
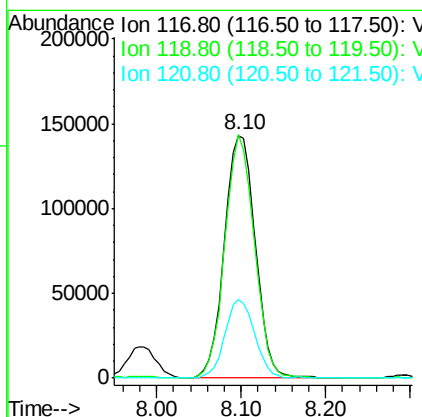
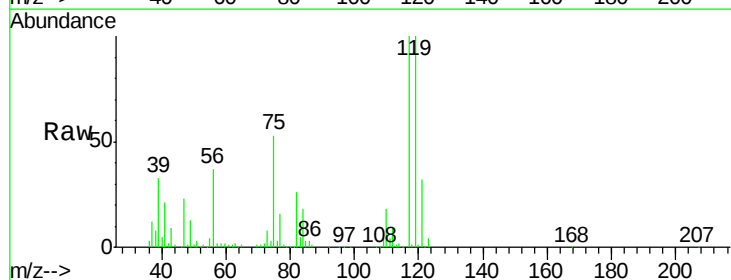
Manual Integrations
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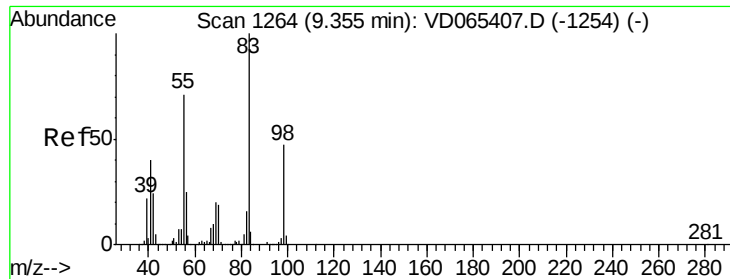
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#38
Carbon Tetrachloride
Concen: 52.287 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.4	73.3	109.9
121	32.3	25.0	37.4





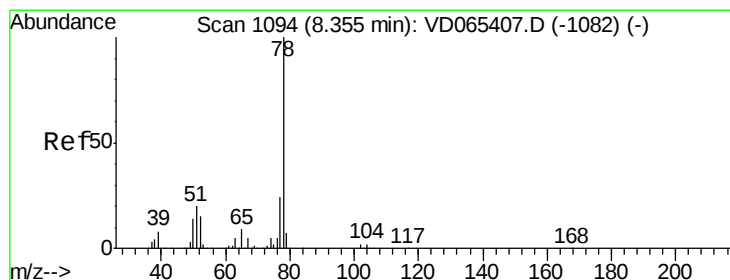
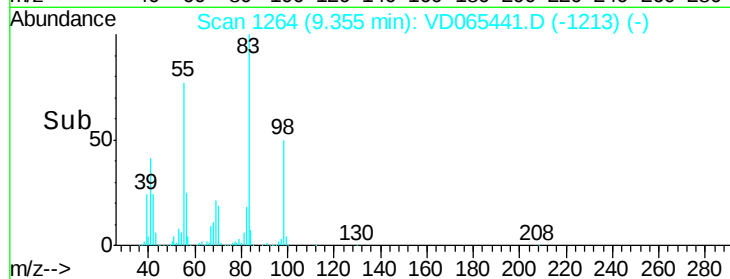
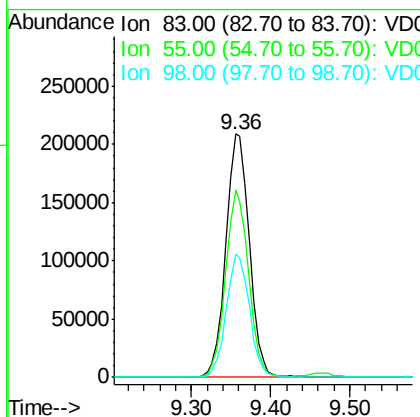
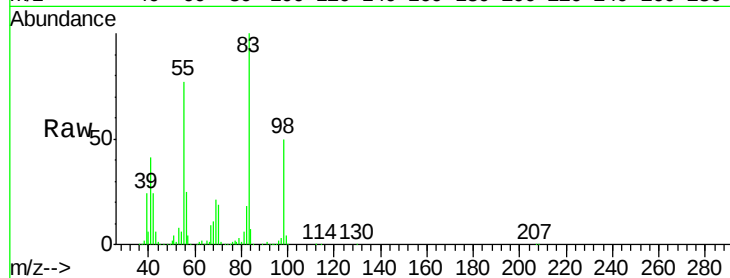
#39
Methylvlcyclohexane
Concen: 53.497 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.0	57.1	85.7
98	50.5	37.8	56.8

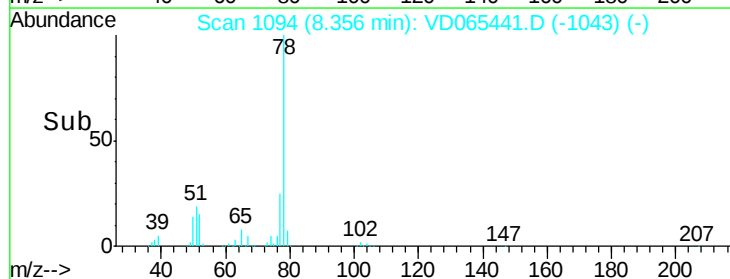
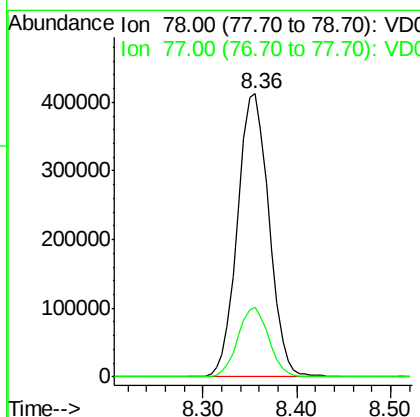
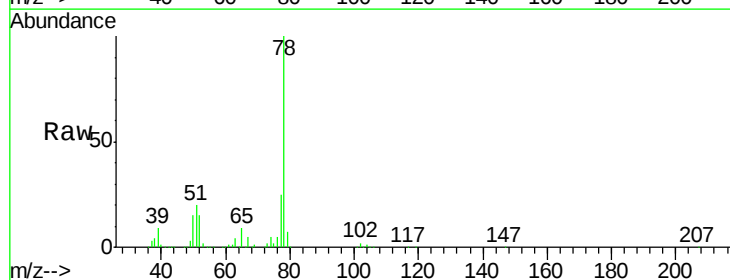
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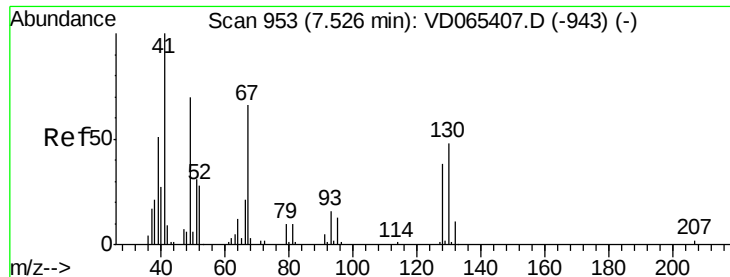
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#40
Benzene
Concen: 51.825 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.4	29.0





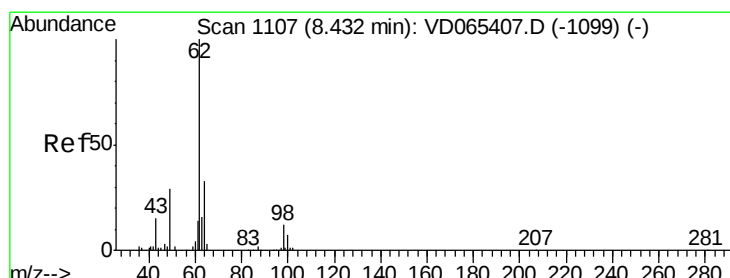
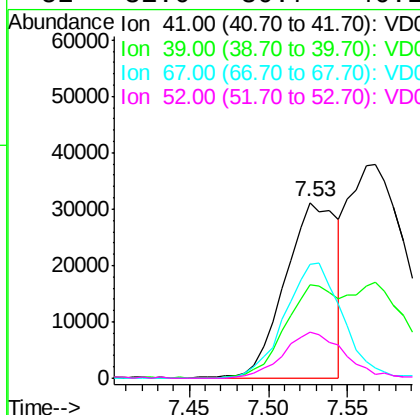
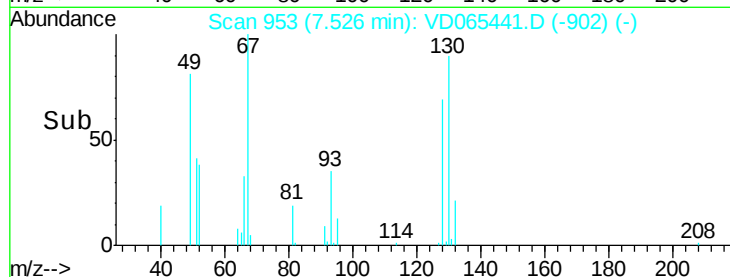
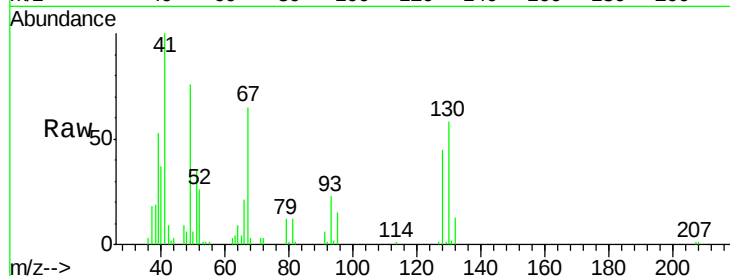
#41
Methacrylonitrile
Concen: 52.701 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.4	55.0	82.6#	
67	72.2	70.3	105.5	
52	31.0	30.7	46.1	

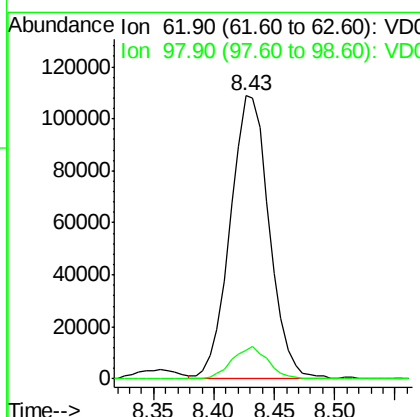
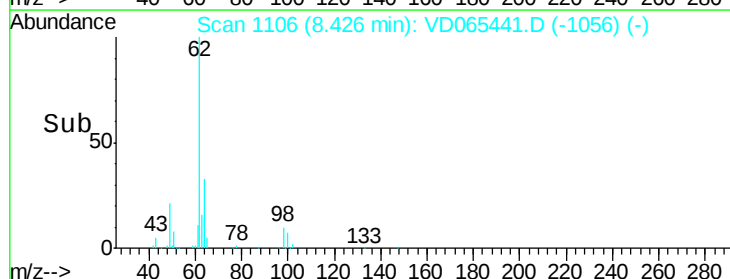
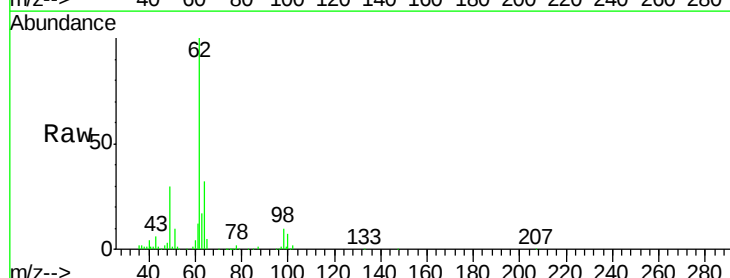
Manual Integrations
APPROVED

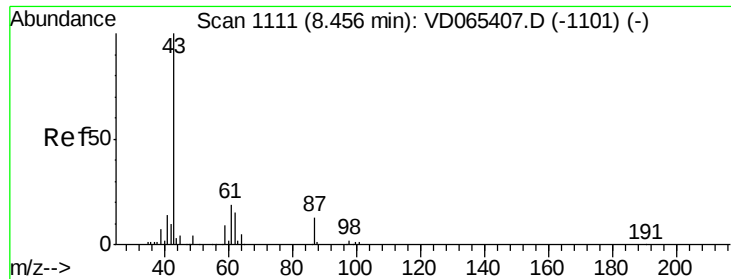
MMDadoda
3/10/2020 3:34:24 PM



#42
1,2-Dichloroethane
Concen: 50.242 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.8	0.0	21.4	





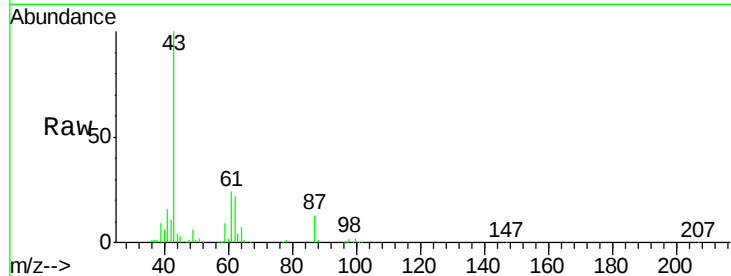
#43
Isopropyl Acetate
Concen: 47.331 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

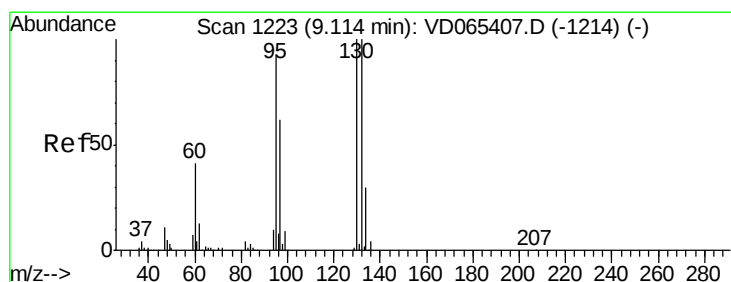
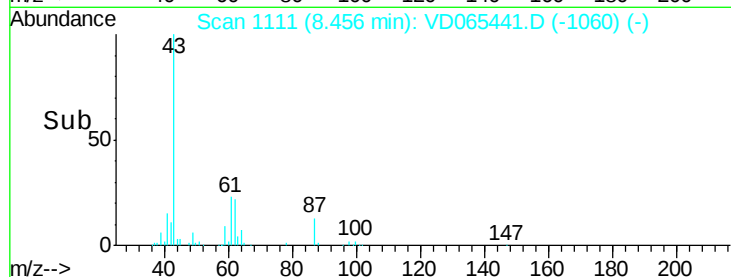
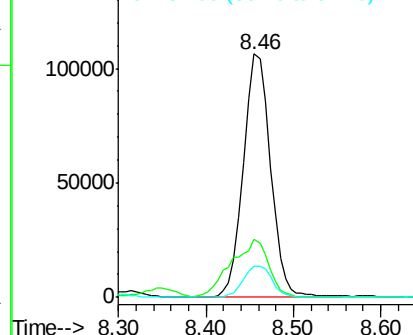
Tot Ion	Ratio	Resp	Lower	Upper
43	100	224190		
61	33.0		25.0	37.6
87	13.6		11.0	16.4

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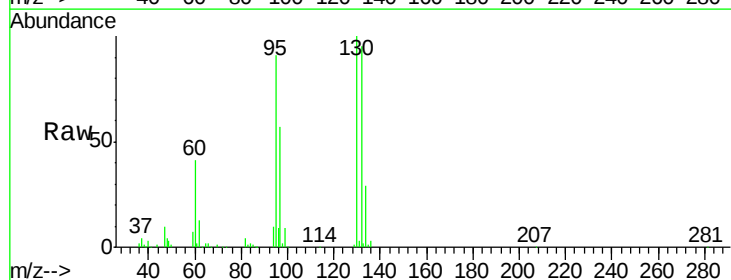


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

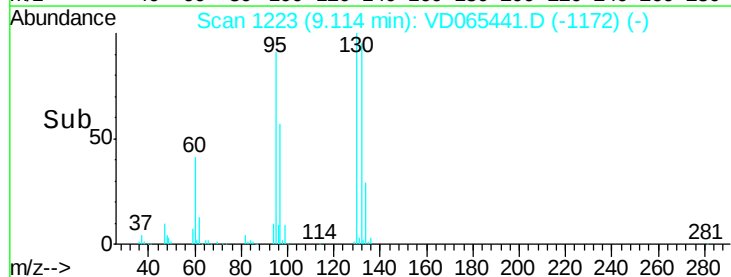
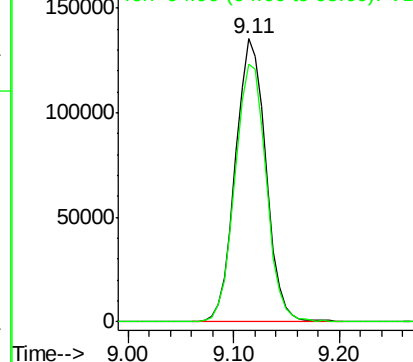


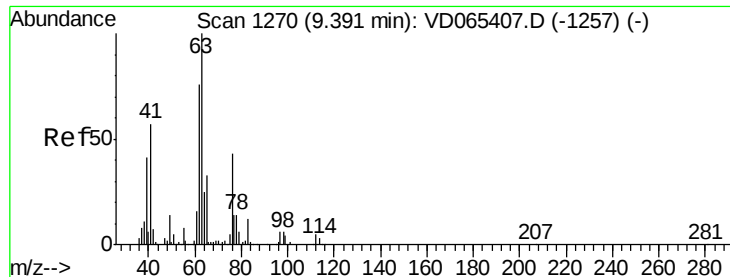
#44
Trichloroethene
Concen: 51.448 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	269616		
95	91.0		0.0	186.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 51.464 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065441.D

Acq: 09 Mar 2020 10:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 231332

Ion Ratio Lower Upper

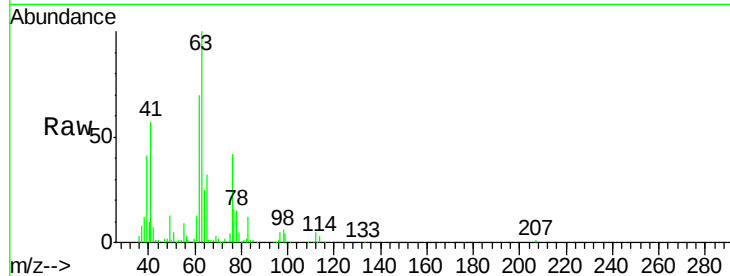
63 100

65 31.5 26.4 39.6

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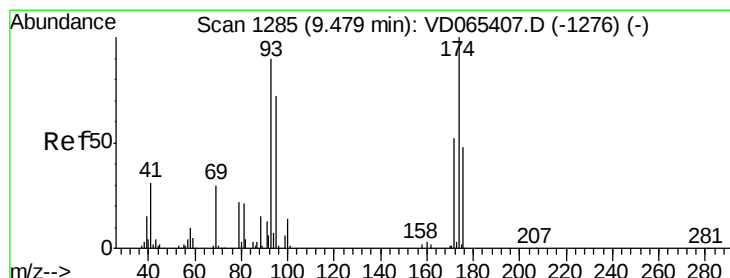
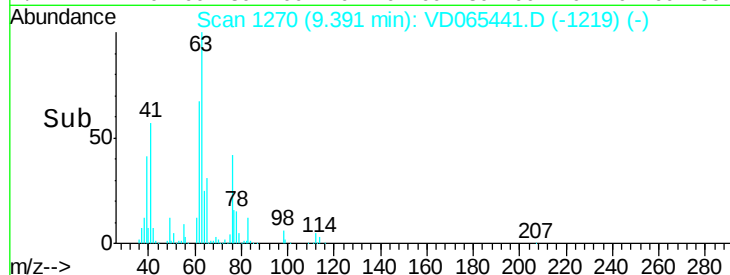
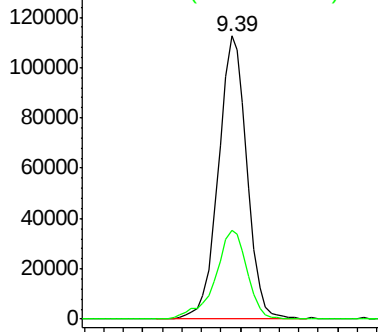
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 50.876 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065441.D

Acq: 09 Mar 2020 10:47

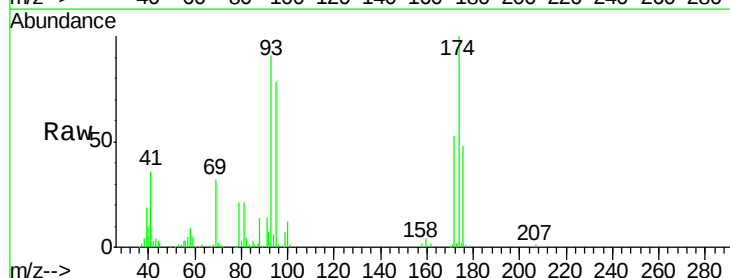
Tgt Ion: 93 Resp: 118623

Ion Ratio Lower Upper

93 100

95 82.8 65.0 97.6

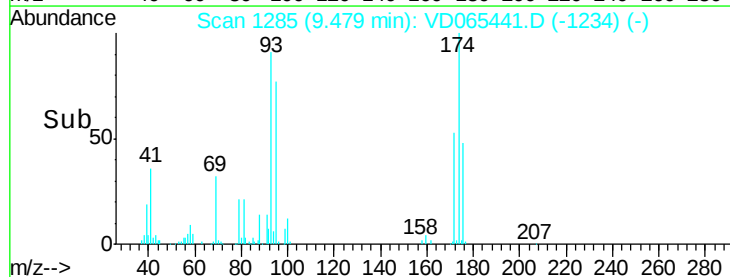
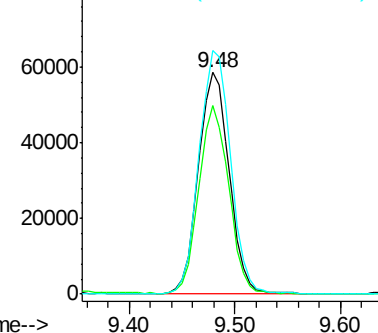
174 112.0 88.3 132.5



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.329 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065441.D

Acq: 09 Mar 2020 10:47

Instrument :

MSVOA_D

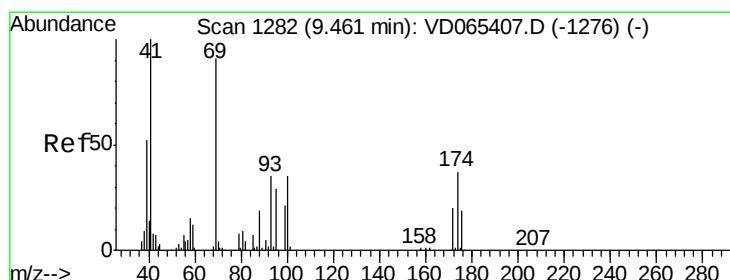
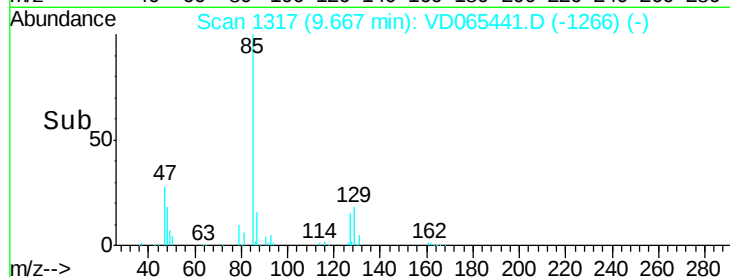
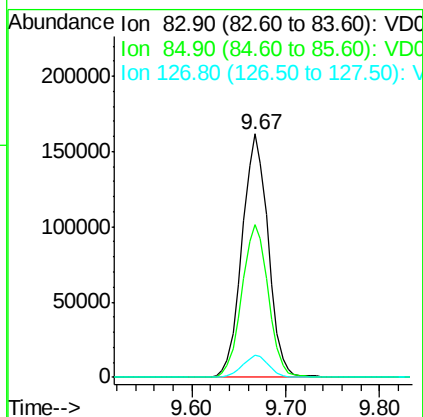
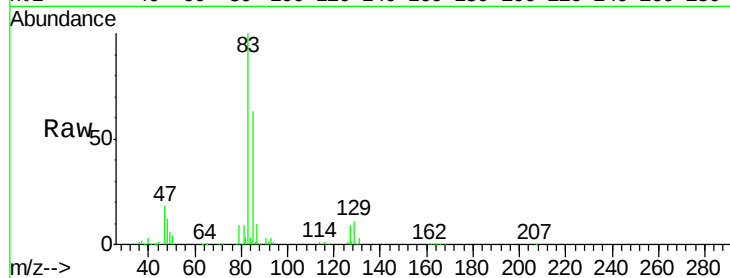
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	311355
Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.8	79.2
127	9.3	8.0	12.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 47.629 ug/l

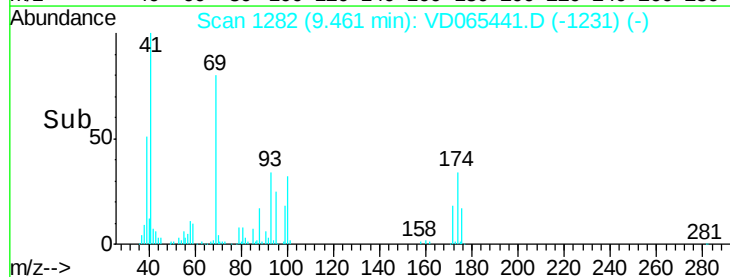
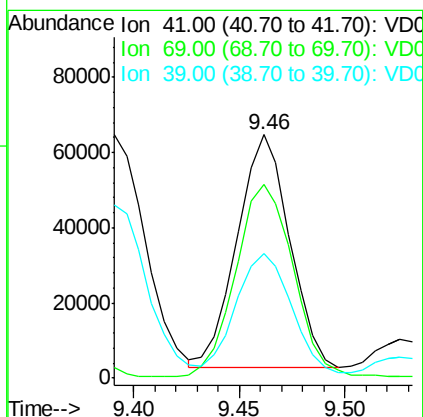
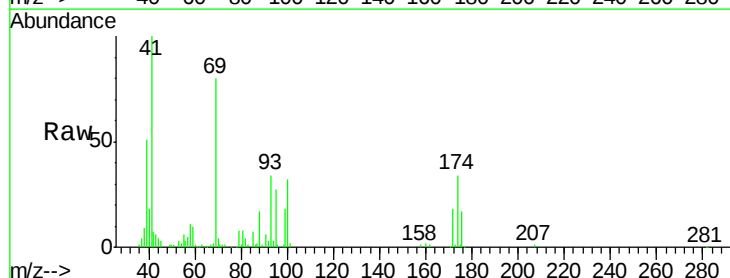
RT: 9.46 min Scan# 1282

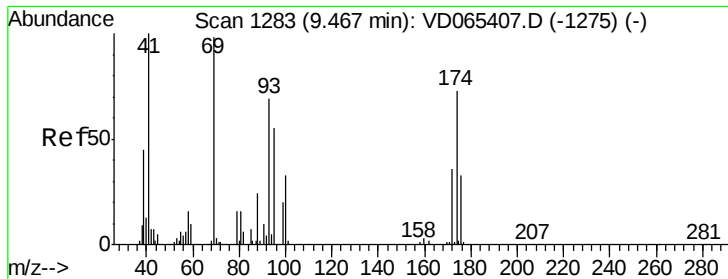
Delta R.T. 0.00 min

Lab File: VD065441.D

Acq: 09 Mar 2020 10:47

Tgt Ion:	41	Resp:	106121
Ion	Ratio	Lower	Upper
41	100		
69	94.1	72.5	108.7
39	53.3	41.6	62.4





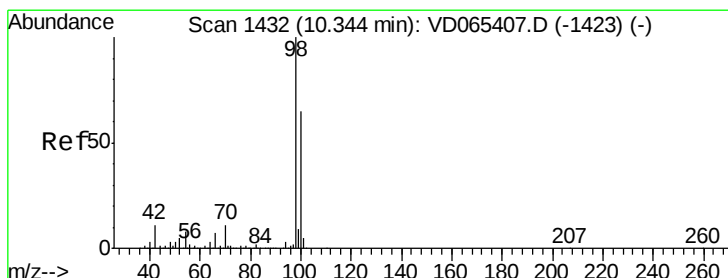
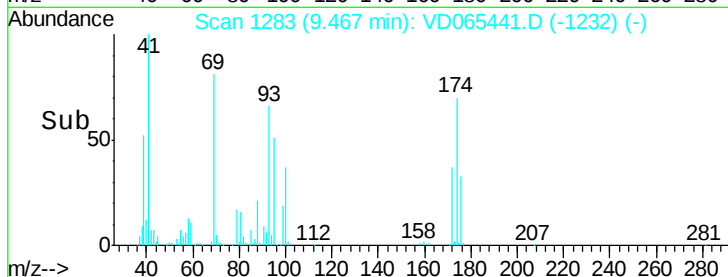
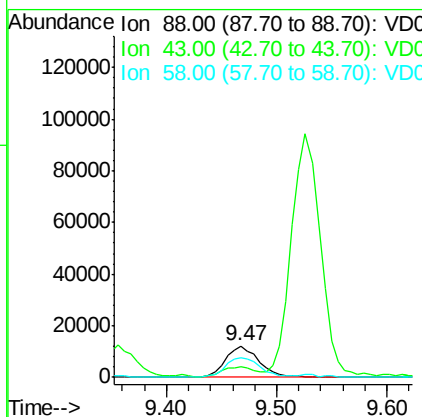
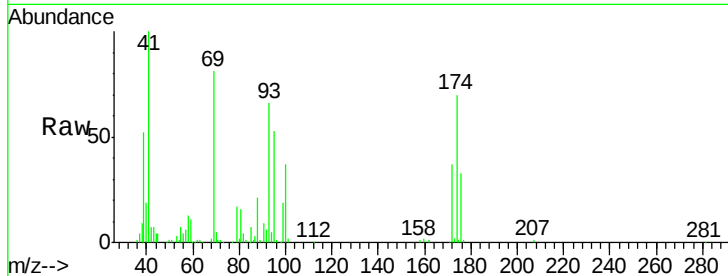
#49
1,4-Dioxane
Concen: 980.869 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	26160
Ion	Ratio	Lower	Upper
88	100		
43	28.7	24.5	36.7
58	64.8	54.5	81.7

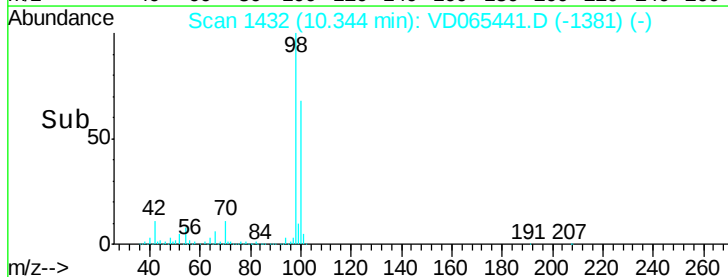
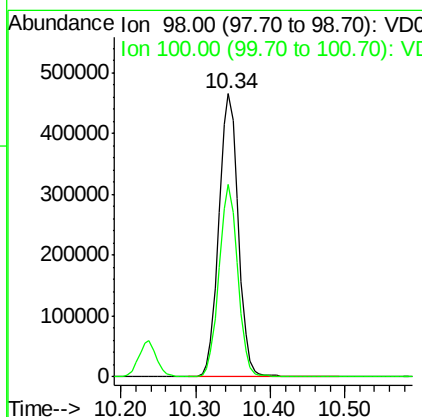
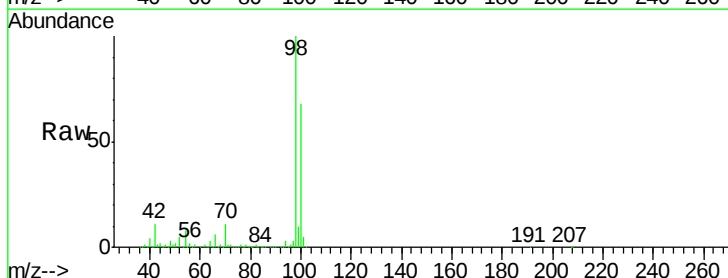
Manual Integrations
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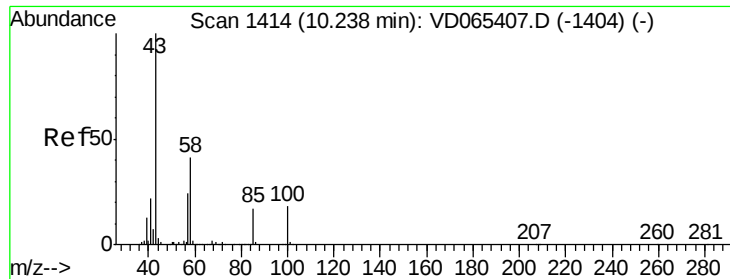
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#50
Toluene-d8
Concen: 51.101 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Tgt Ion	98	Resp	839405
Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 255.233 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065441.D

Acq: 09 Mar 2020 10:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 608371

Ion Ratio Lower Upper

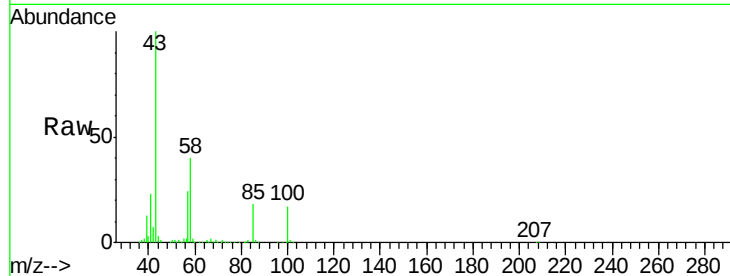
43 100

58 39.3 31.8 47.6

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

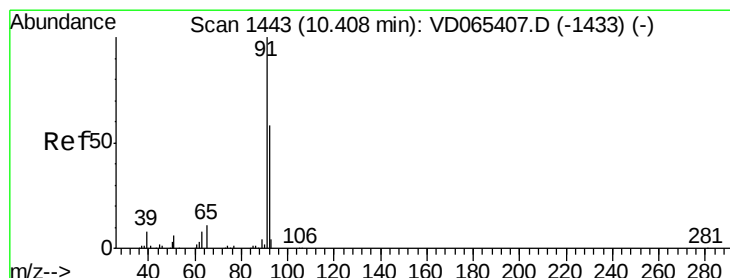
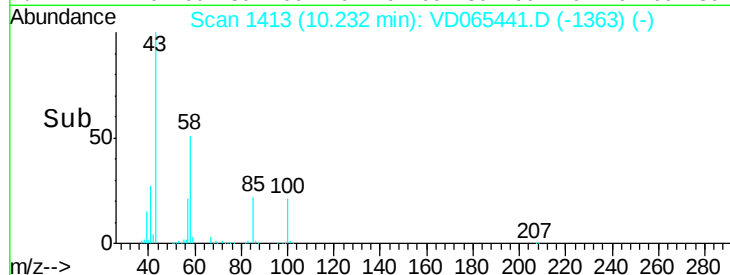
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 53.509 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065441.D

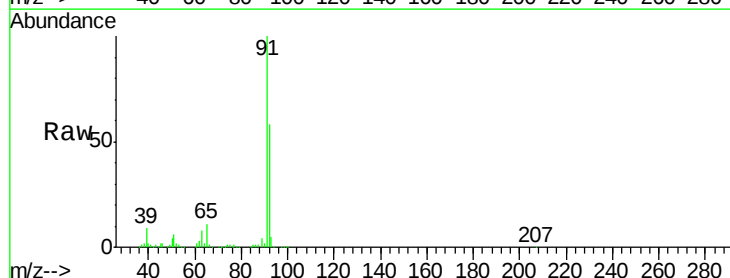
Acq: 09 Mar 2020 10:47

Tgt Ion: 92 Resp: 625530

Ion Ratio Lower Upper

92 100

91 171.7 137.8 206.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.41

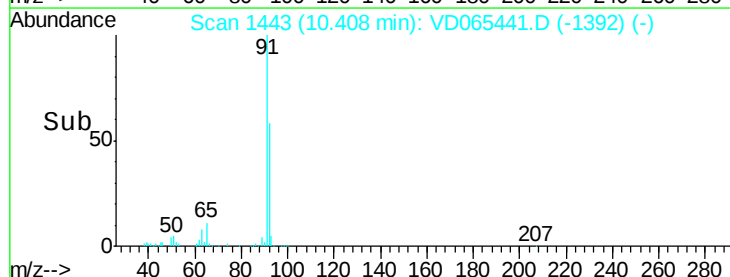
600000

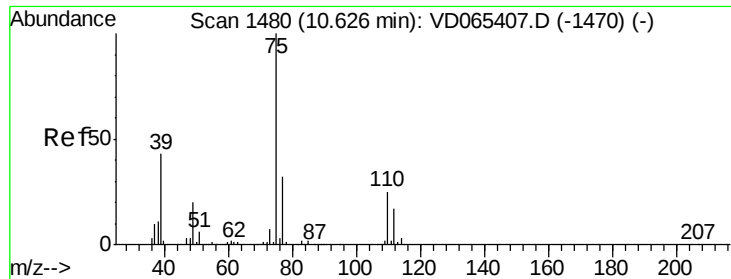
400000

200000

0

Time-->





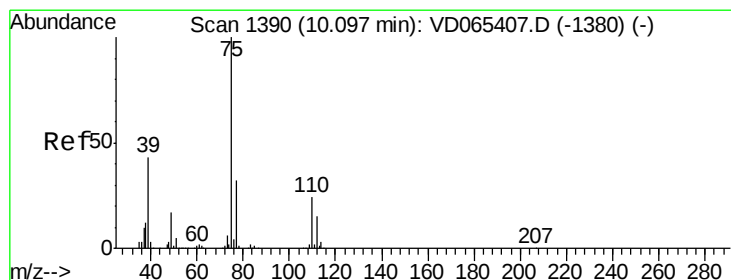
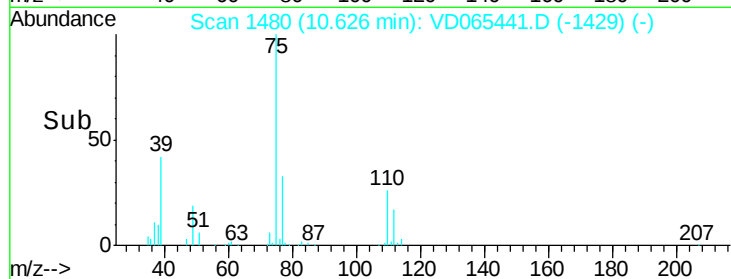
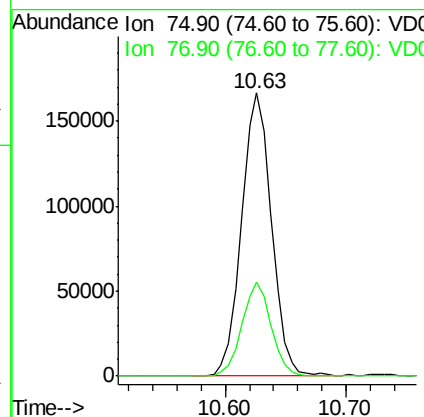
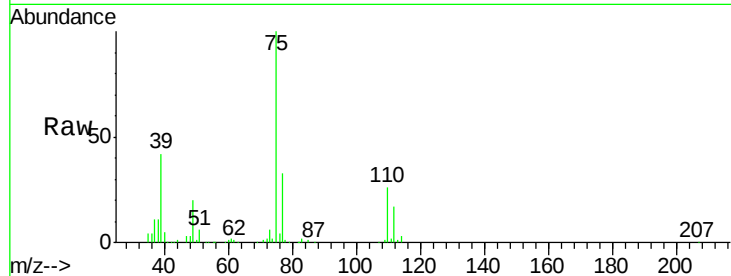
#53
t-1,3-Dichloropropene
Concen: 50.912 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.2	25.4	38.2

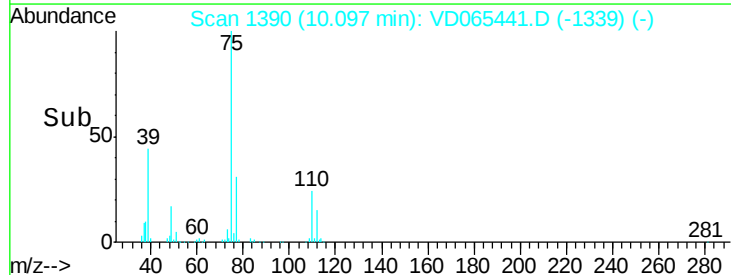
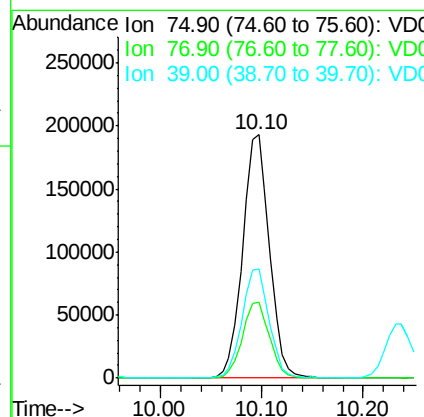
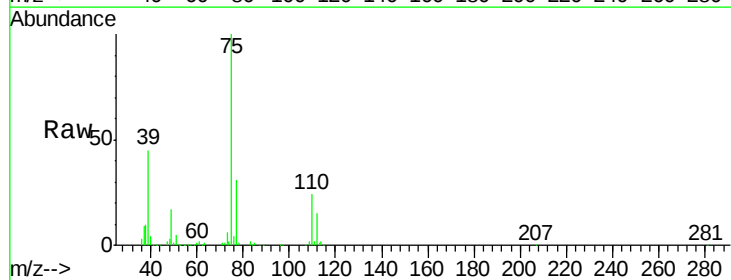
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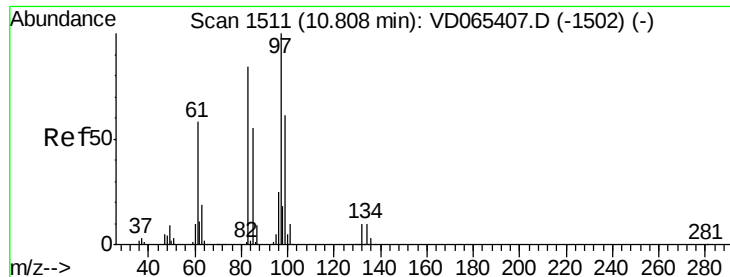
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#54
cis-1,3-Dichloropropene
Concen: 51.562 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.3	37.9
39	44.7	34.6	52.0





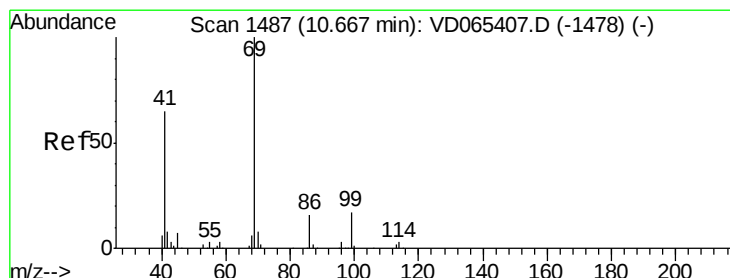
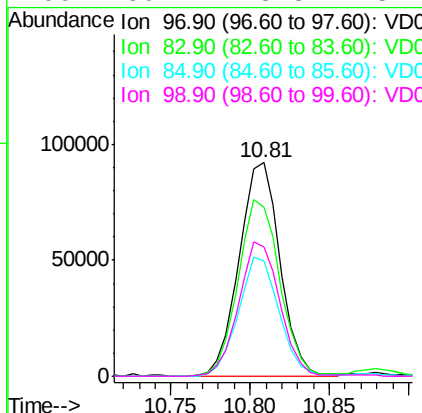
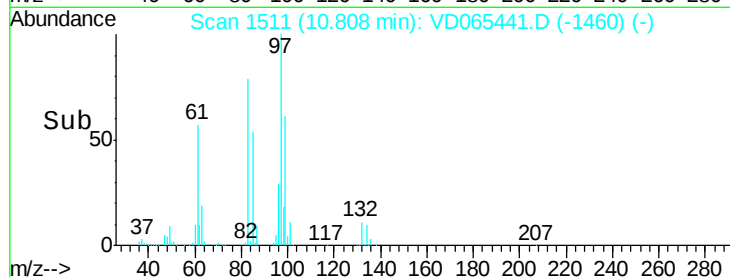
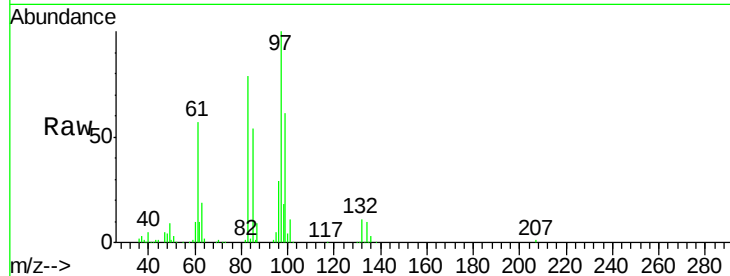
#55
 1,1,2-Trichloroethane
 Concen: 50.096 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065441.D
 Acq: 09 Mar 2020 10:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	165433
Ion	Ratio	Lower	Upper
97	100		
83	79.1	67.4	101.0
85	54.1	43.8	65.8
99	60.7	48.8	73.2

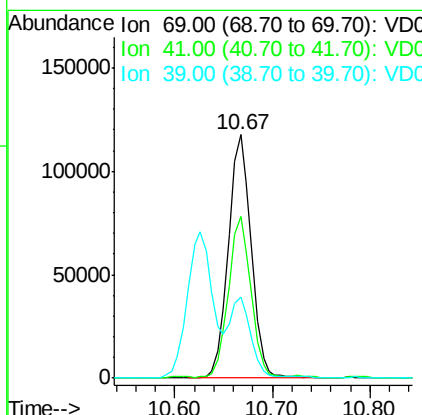
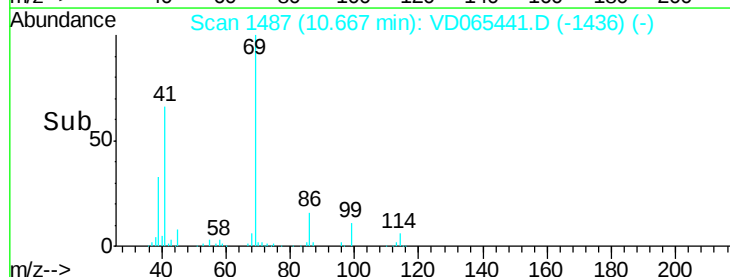
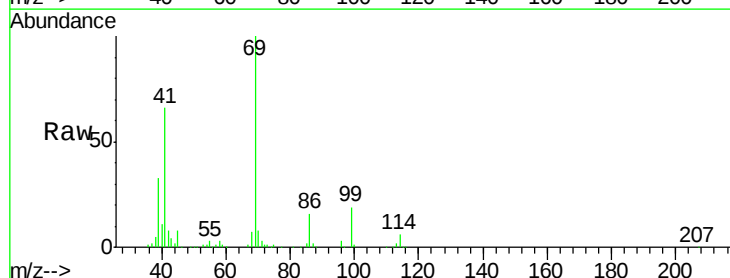
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 51.574 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065441.D
 Acq: 09 Mar 2020 10:47

Tgt Ion:	69	Resp:	192004
Ion	Ratio	Lower	Upper
69	100		
41	65.0	53.0	79.6
39	30.5	26.0	39.0





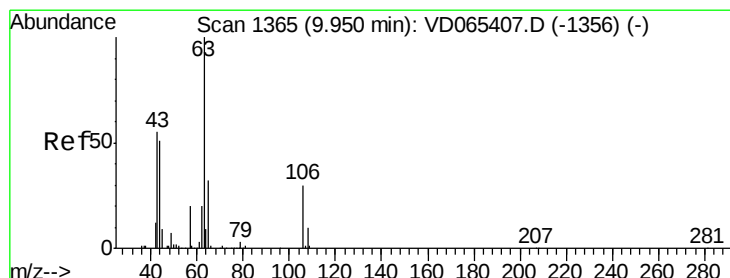
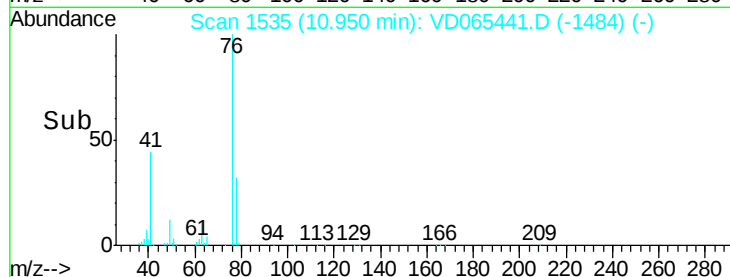
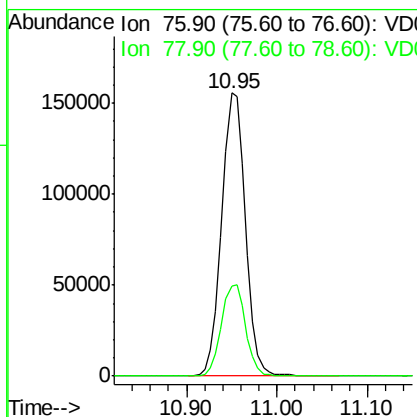
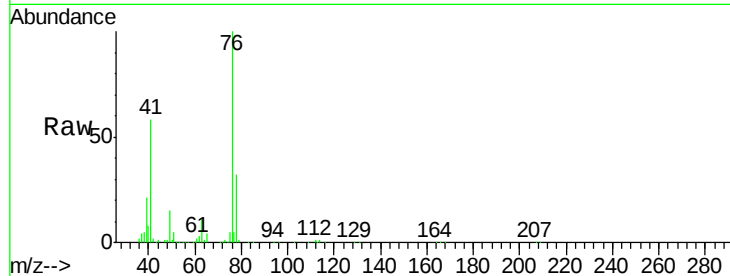
#57
 1,3-Dichloropropane
 Concen: 50.683 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065441.D
 Acq: 09 Mar 2020 10:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.0	26.0	39.0

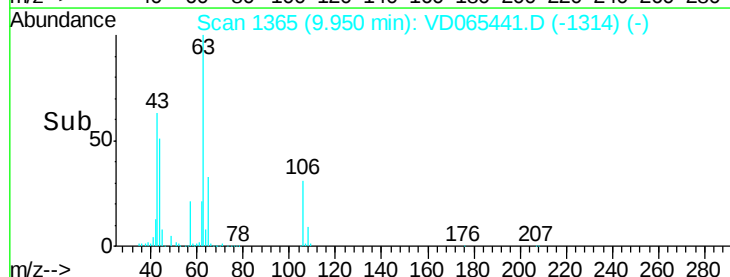
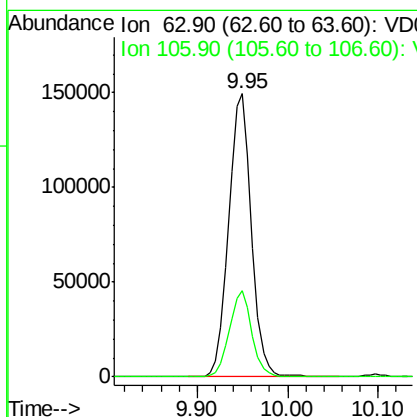
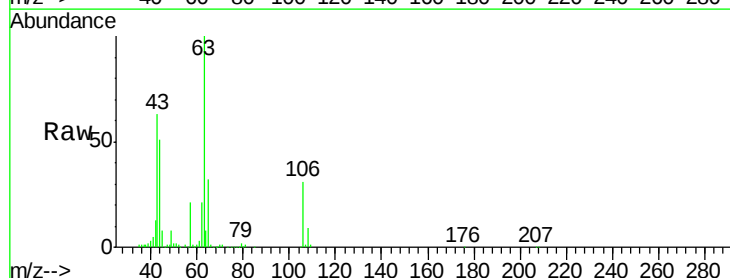
Manual Integrations
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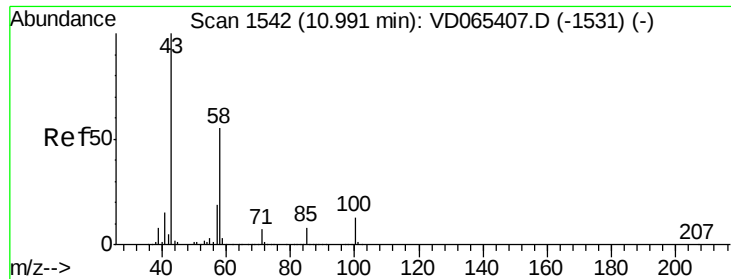
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#58
 2-Chloroethyl Vinyl ether
 Concen: 224.318 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065441.D
 Acq: 09 Mar 2020 10:47

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.0	23.3	34.9





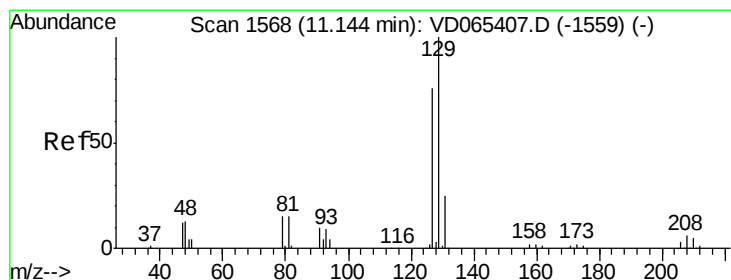
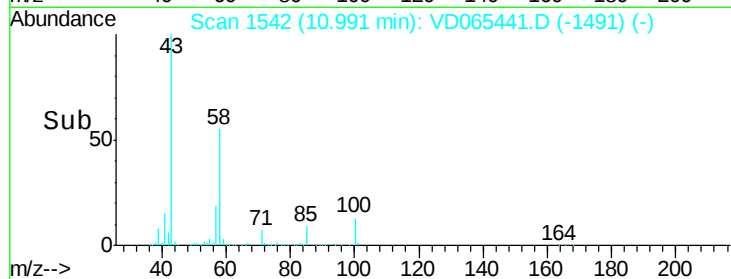
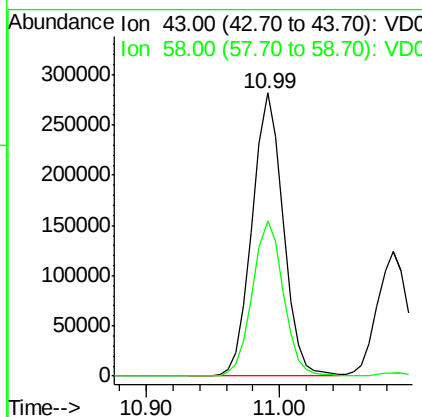
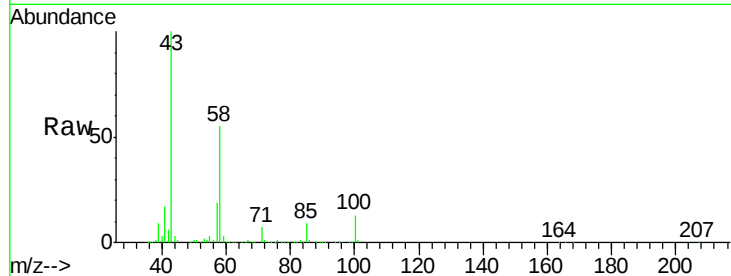
#59
2-Hexanone
Concen: 275.112 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 453941
Ion Ratio Lower Upper
43 100
58 54.7 27.4 82.2

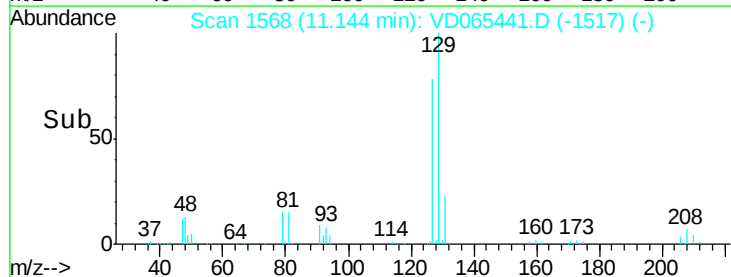
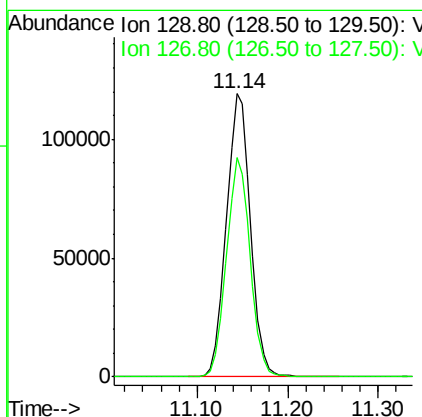
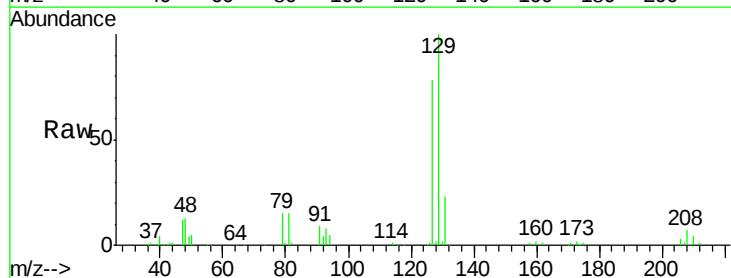
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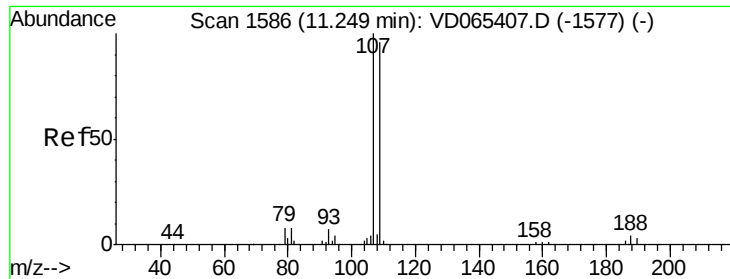
MMDadoda
3/10/2020 3:34:24 PM



#60
Dibromochloromethane
Concen: 51.874 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Tgt Ion: 129 Resp: 219587
Ion Ratio Lower Upper
129 100
127 76.4 38.5 115.5





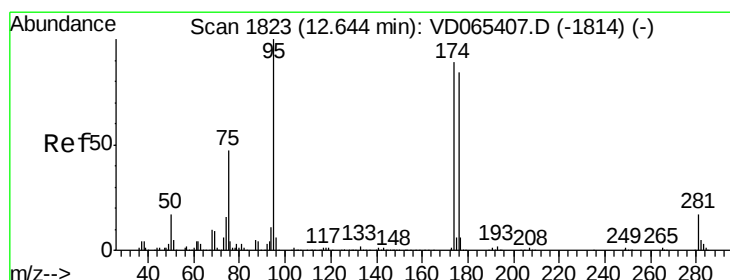
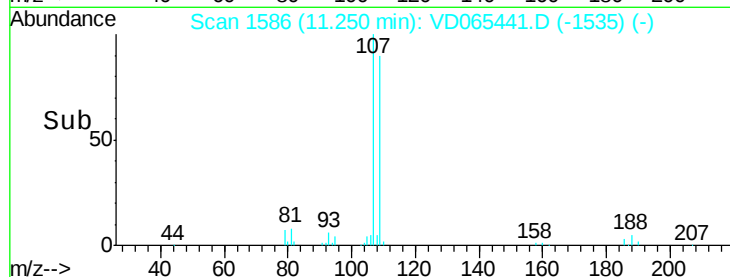
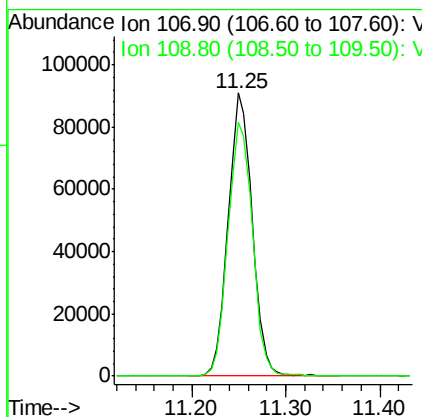
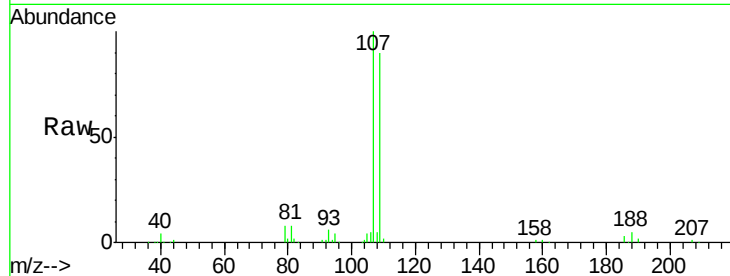
#61
1,2-Dibromoethane
Concen: 51.288 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.9	76.8	115.2

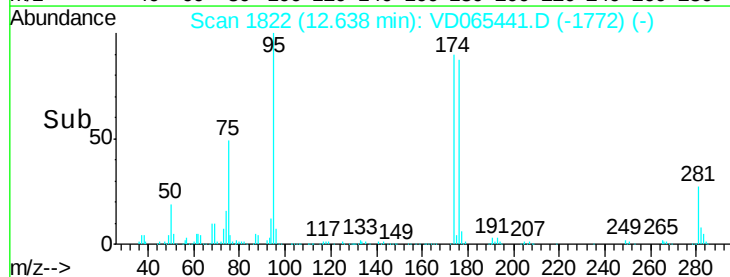
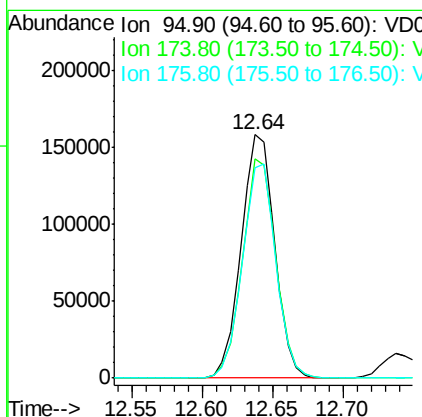
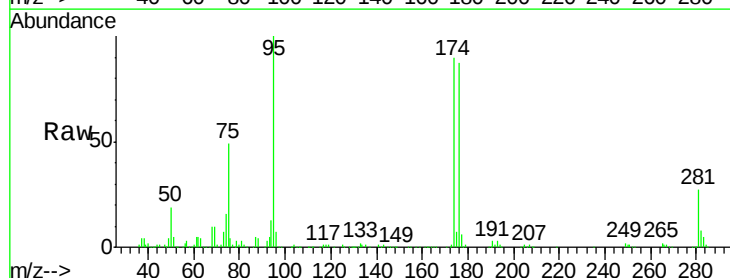
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#62
4-Bromofluorobenzene
Concen: 51.869 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.01 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.5	0.0	176.8
176	87.7	0.0	171.4





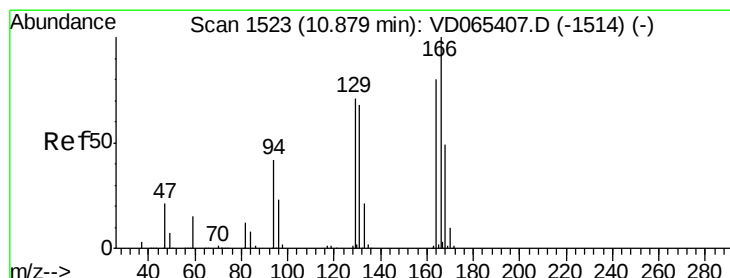
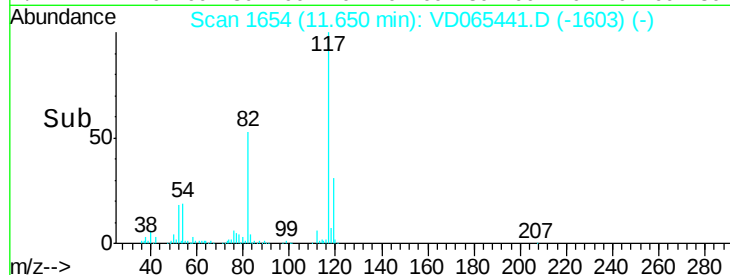
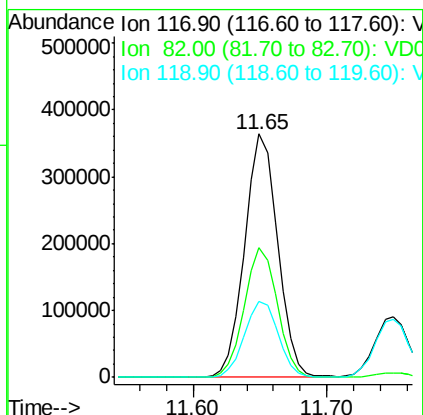
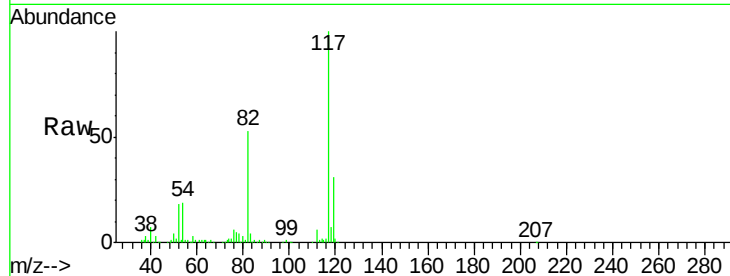
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	40.6	60.8
119	31.3	25.4	38.2

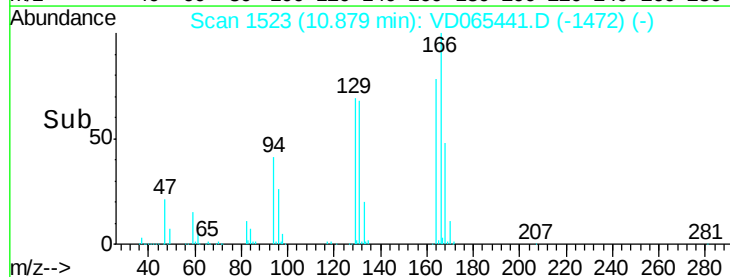
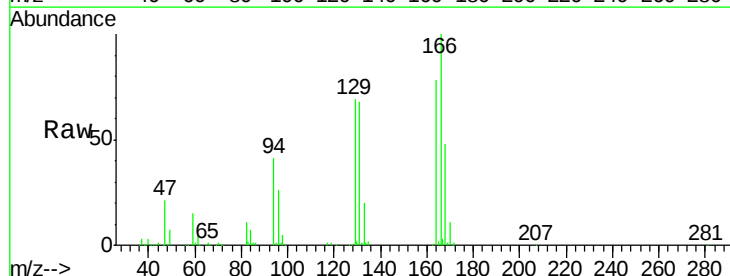
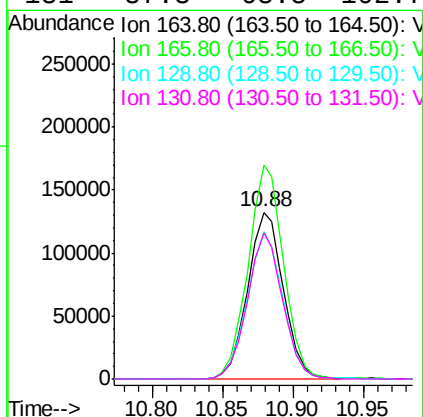
Manual Integrations
APPROVED

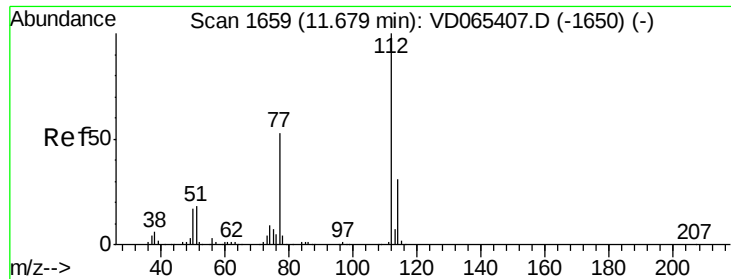
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#64
Tetrachloroethene
Concen: 52.630 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	100.5	150.7
129	88.5	71.5	107.3
131	87.3	68.5	102.7





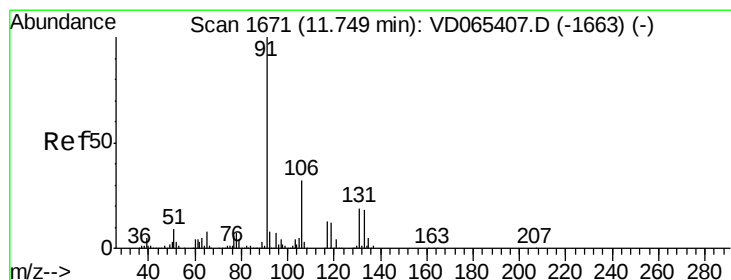
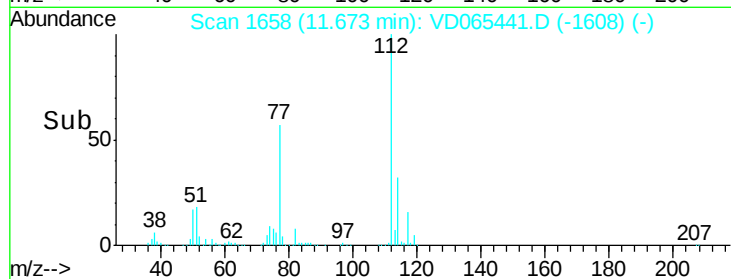
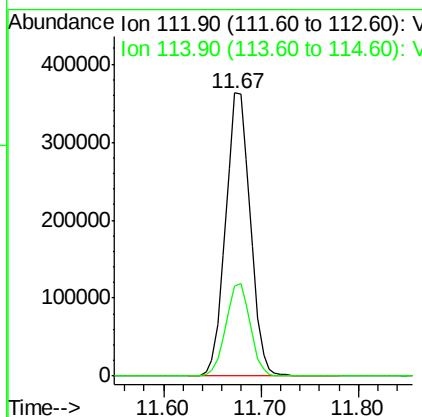
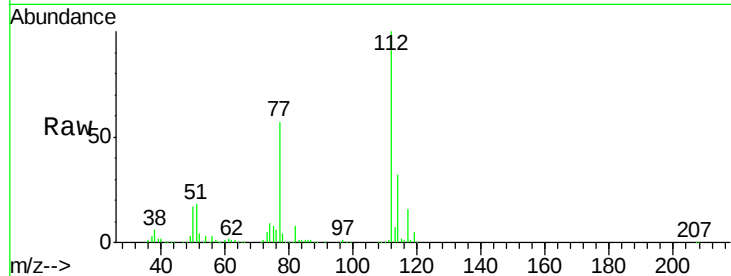
#65
Chlorobenzene
Concen: 51.744 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	637530		
114	32.0		24.4	36.6

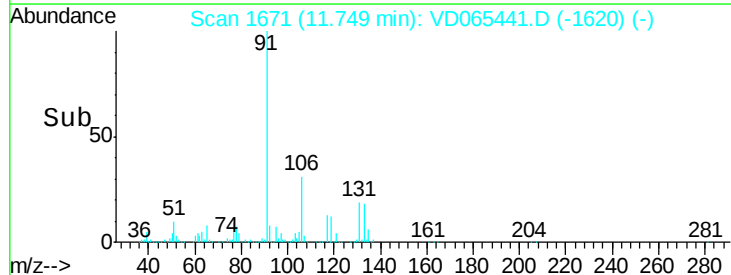
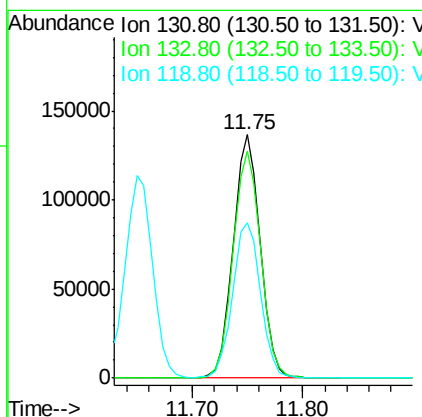
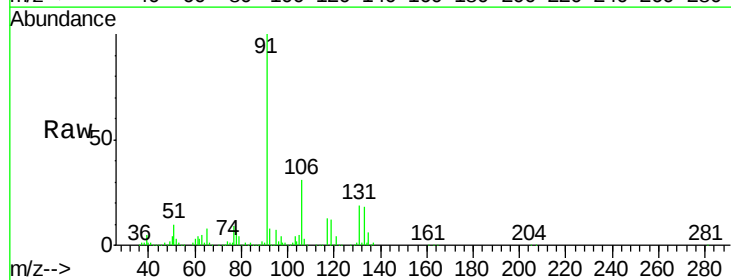
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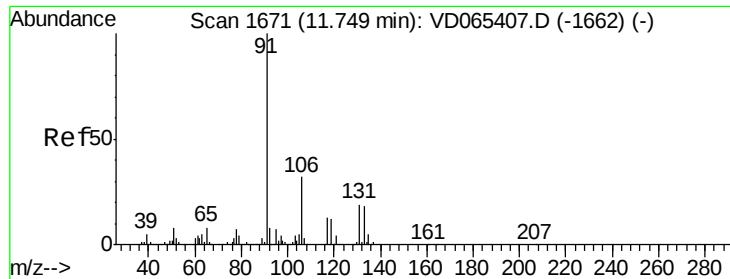
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.451 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	235362		
133	95.5		49.2	147.6
119	66.3		33.3	99.8





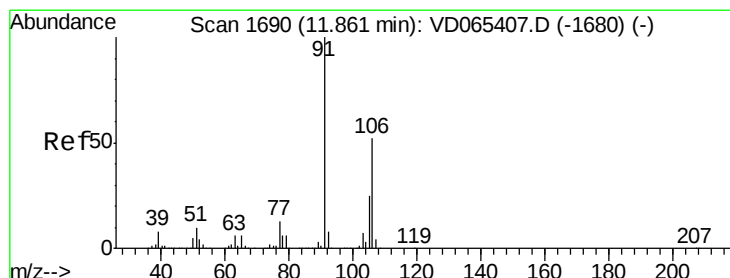
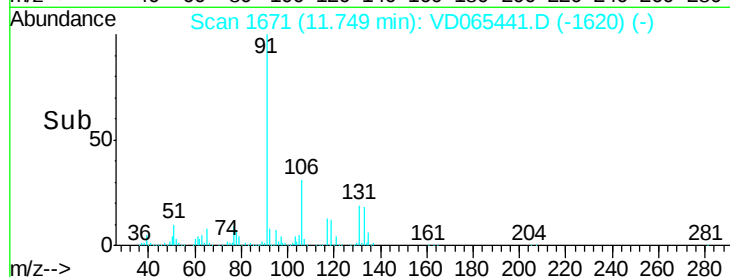
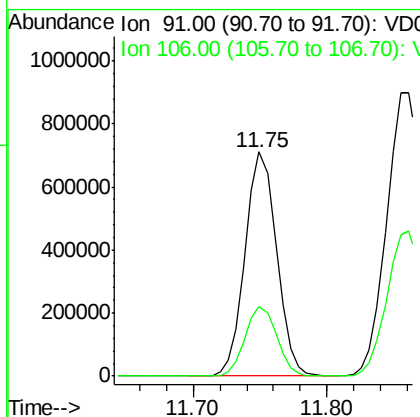
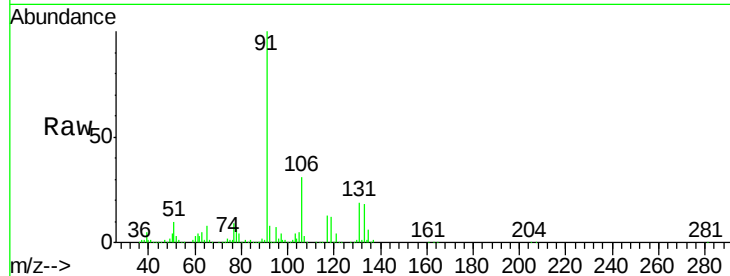
#67
Ethyl Benzene
Concen: 54.607 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1162509
Ion Ratio Lower Upper
91 100
106 31.3 25.2 37.8

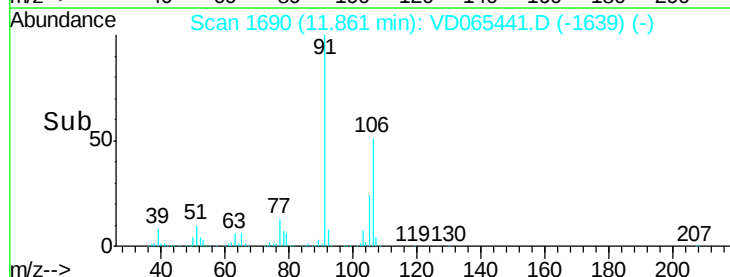
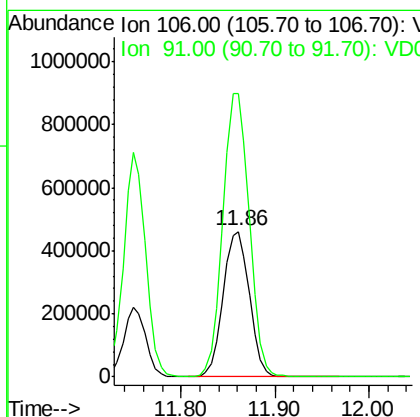
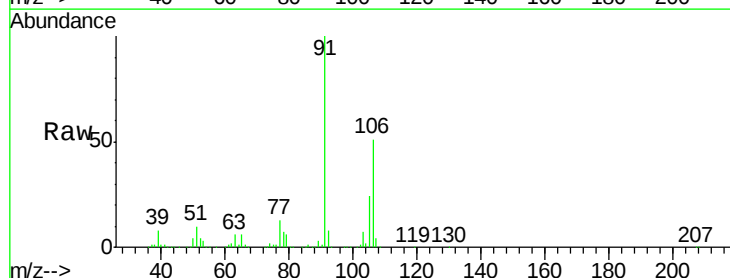
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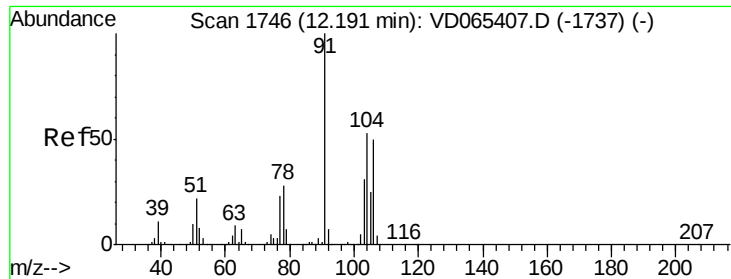
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#68
m/p-Xylenes
Concen: 108.827 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Tgt Ion: 106 Resp: 893332
Ion Ratio Lower Upper
106 100
91 196.4 155.9 233.9





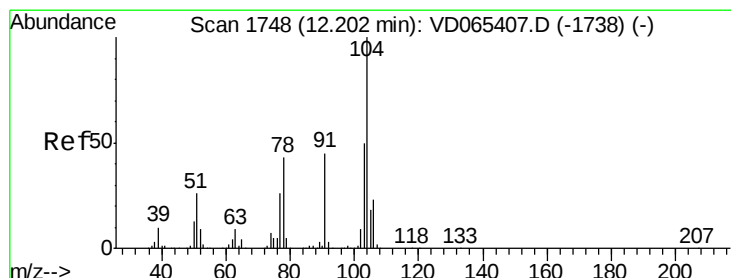
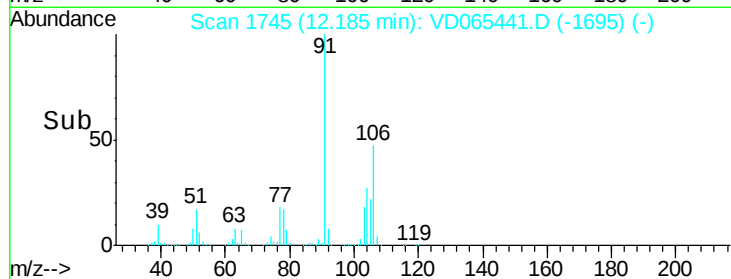
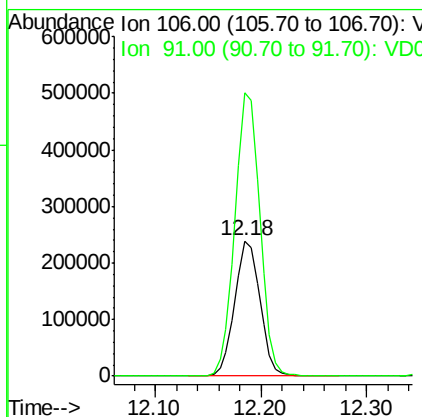
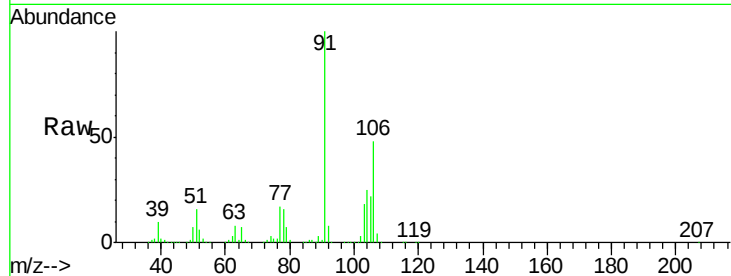
#69
o-Xylene
Concen: 54.626 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
106	100	394436		
91	208.3	103.5	310.3	

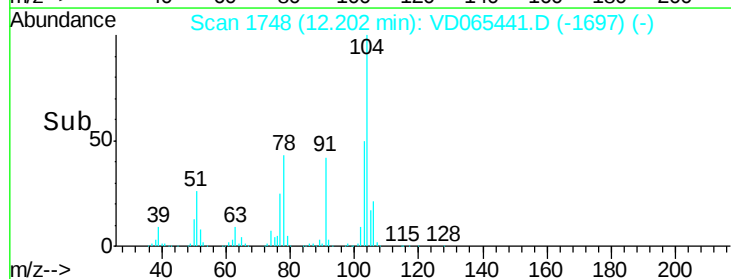
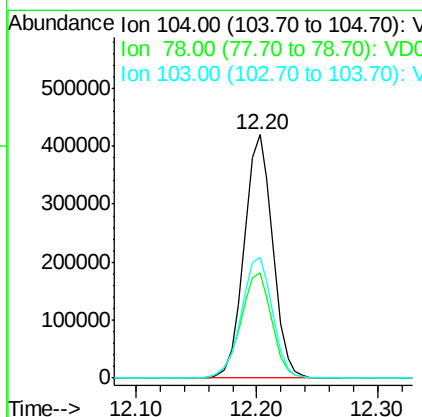
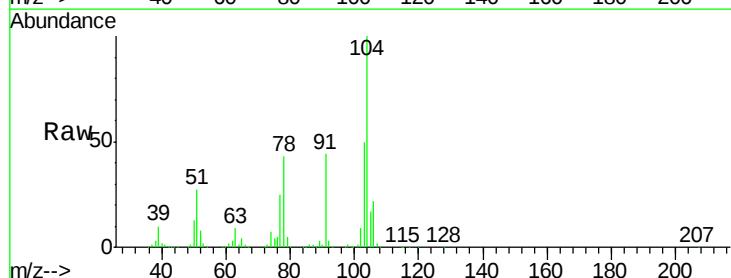
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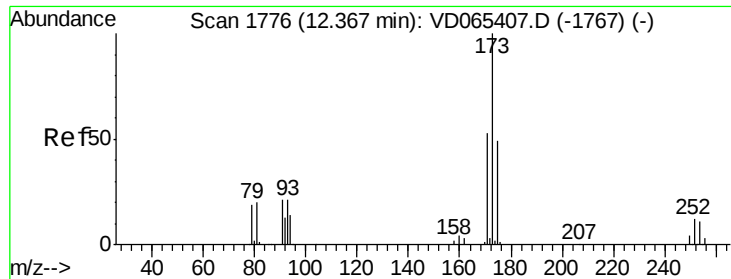
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#70
Styrene
Concen: 54.612 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	694008		
78	47.1	37.7	56.5	
103	54.2	43.6	65.4	





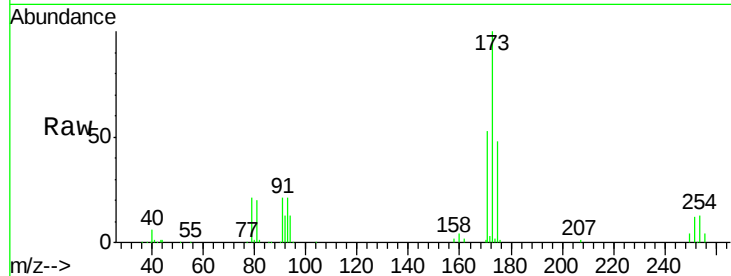
#71
Bromoform
Concen: 50.088 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

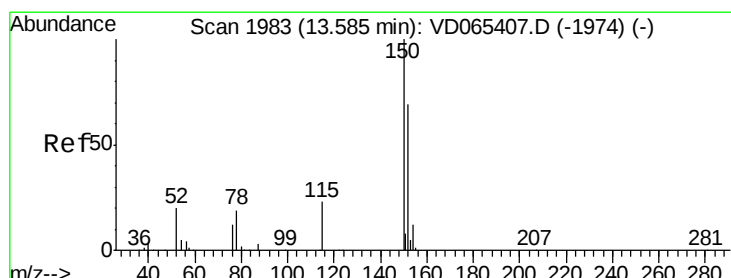
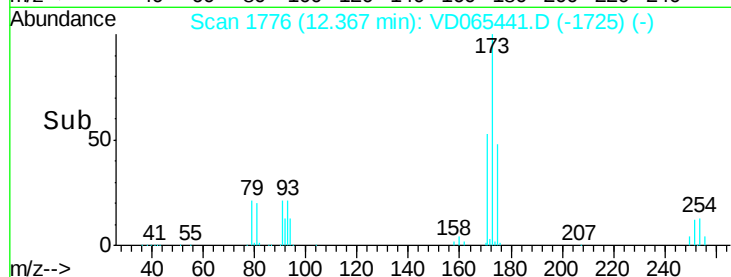
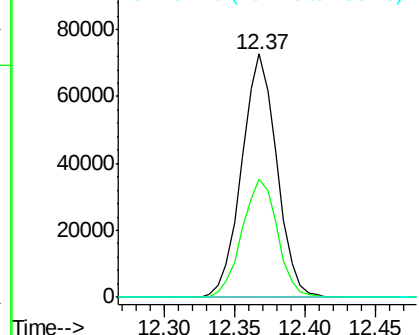
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.3	73.0
254	0.1	0.1	0.1

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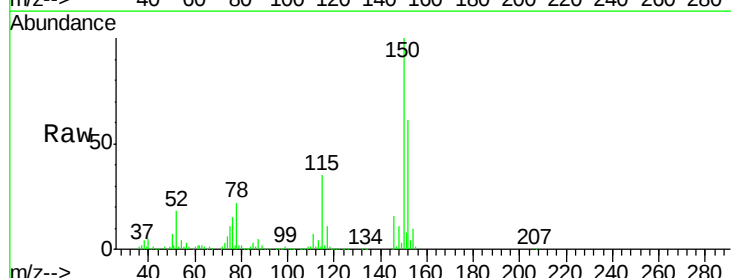


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

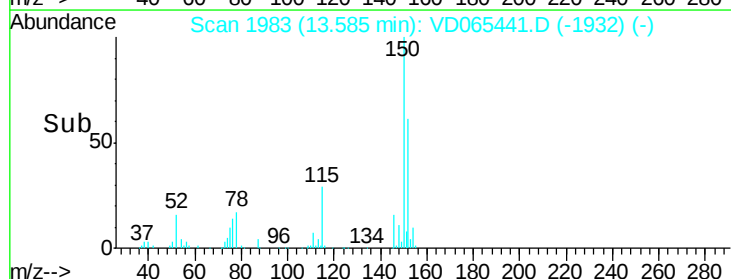
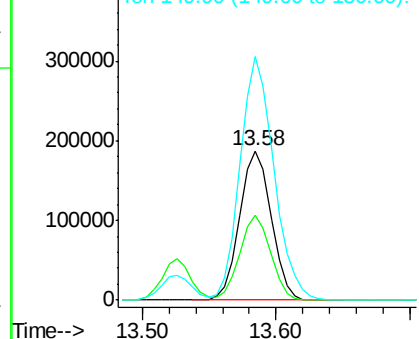


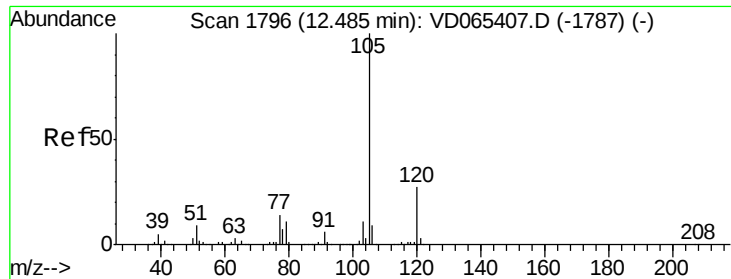
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	27.6	82.8
150	174.7	0.0	345.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.114 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065441.D

Acq: 09 Mar 2020 10:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1112939

Ion Ratio Lower Upper

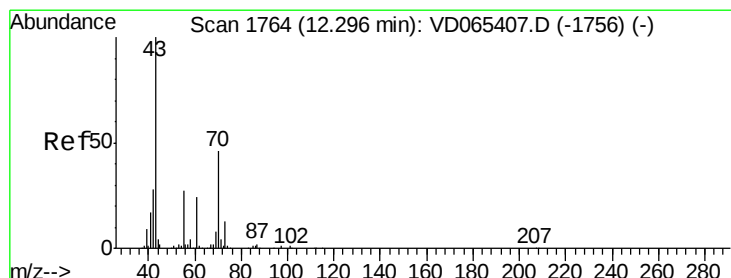
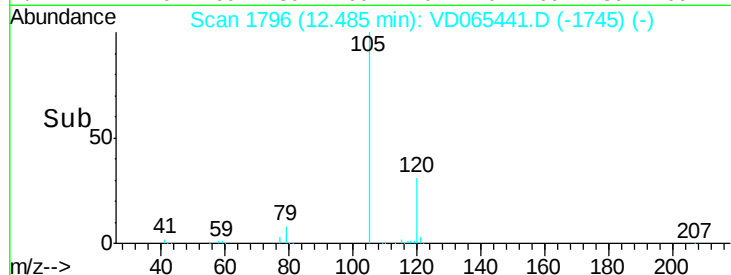
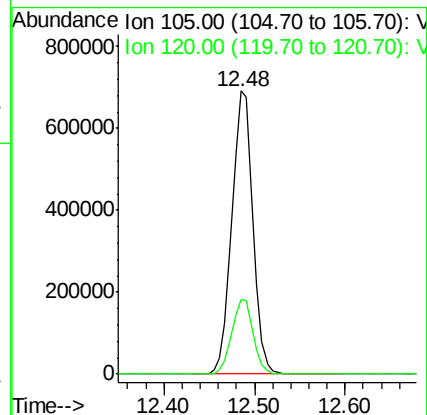
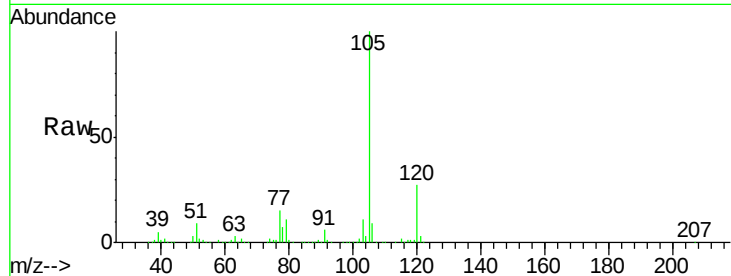
105 100

120 26.9 13.5 40.4

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#74

N-ethyl acetate

Concen: 48.784 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065441.D

Acq: 09 Mar 2020 10:47

Tgt Ion: 43 Resp: 201678

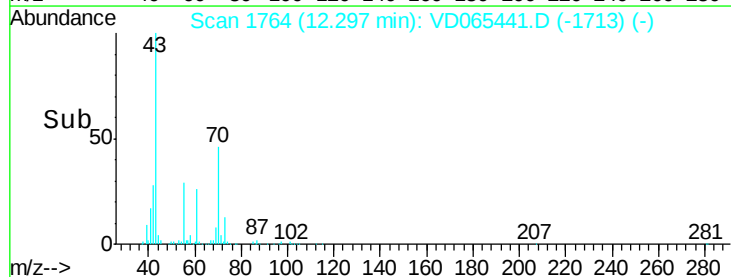
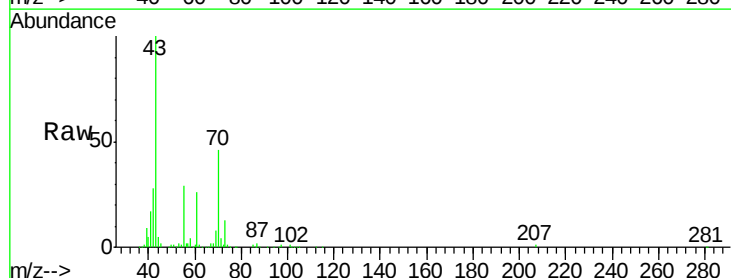
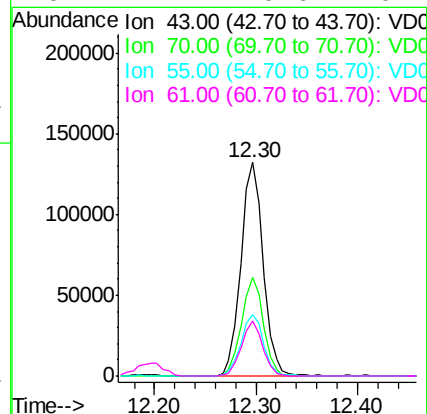
Ion Ratio Lower Upper

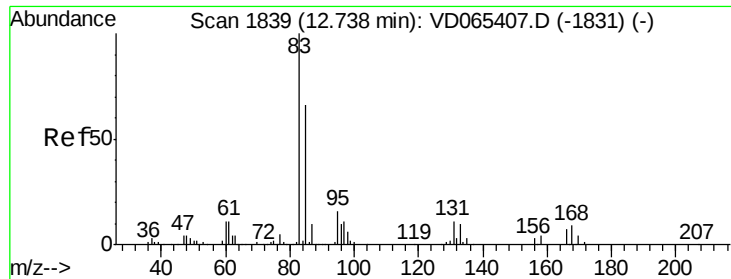
43 100

70 45.4 36.1 54.1

55 29.6 21.6 32.4

61 24.7 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 49.189 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065441.D

Acq: 09 Mar 2020 10:47

Instrument :

MSVOA_D

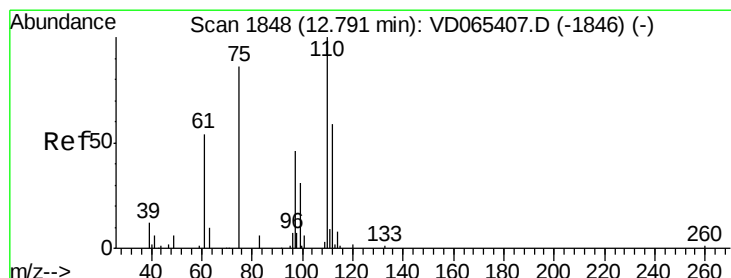
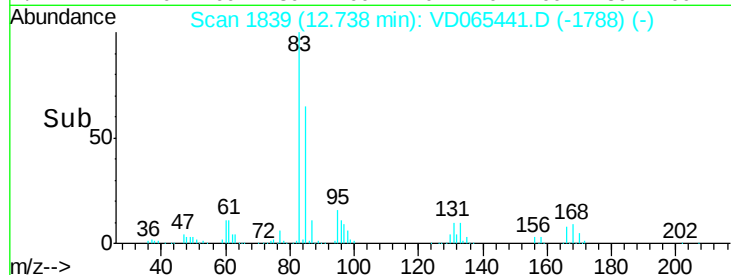
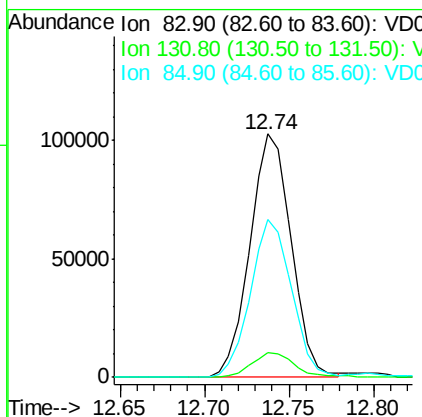
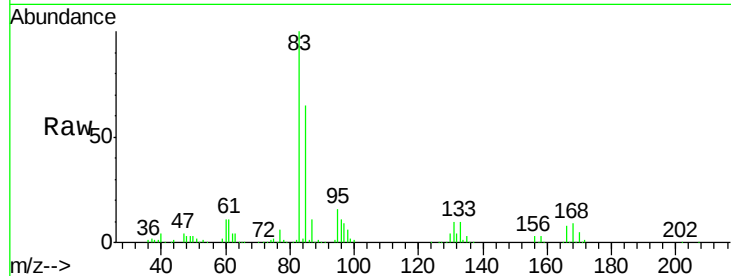
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	174599
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.4	16.2
85	65.2	33.0	98.9

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#76

1,2,3-Trichloropropane

Concen: 48.502 ug/l m

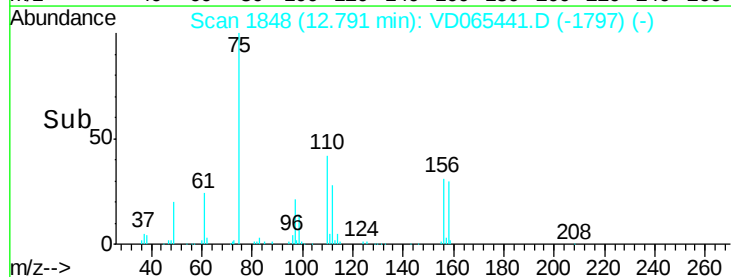
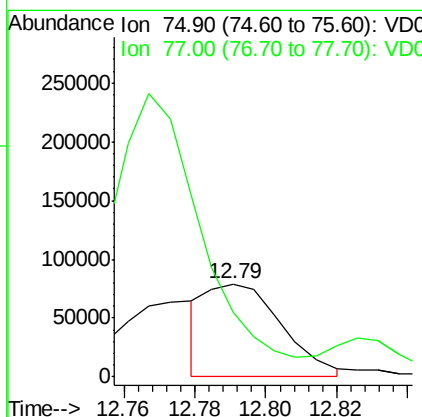
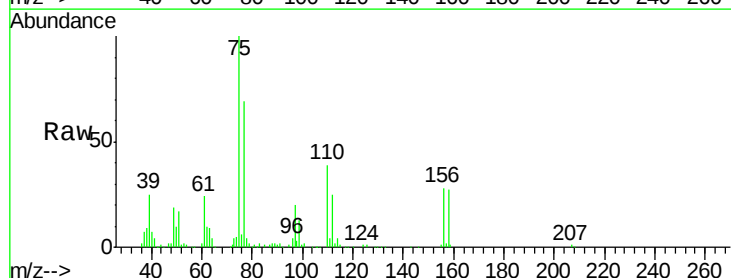
RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065441.D

Acq: 09 Mar 2020 10:47

Tgt Ion:	75	Resp:	117498
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.915 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065441.D

Acq: 09 Mar 2020 10:47

Instrument :

MSVOA_D

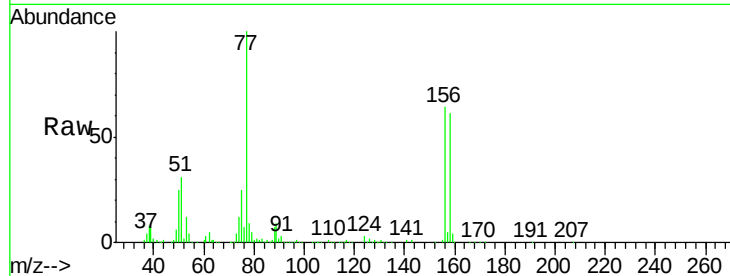
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	260461
Ion	Ratio	Lower	Upper
156	100		
77	168.6	84.9	254.6
158	97.0	49.0	147.2

Manual Integrations
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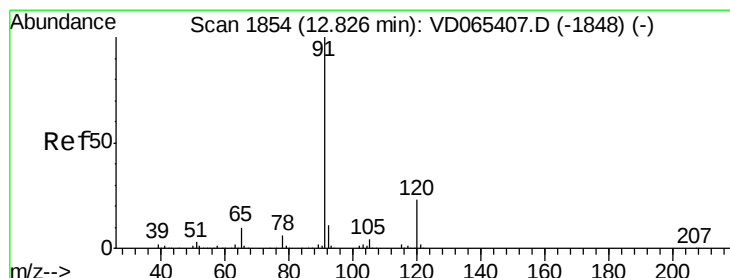
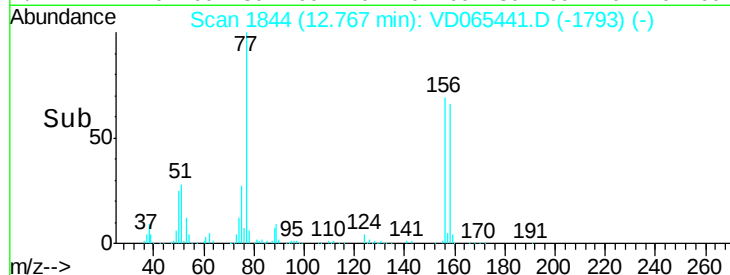
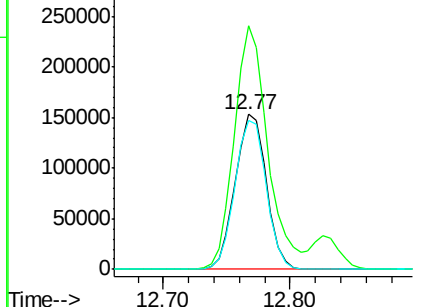
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.242 ug/l

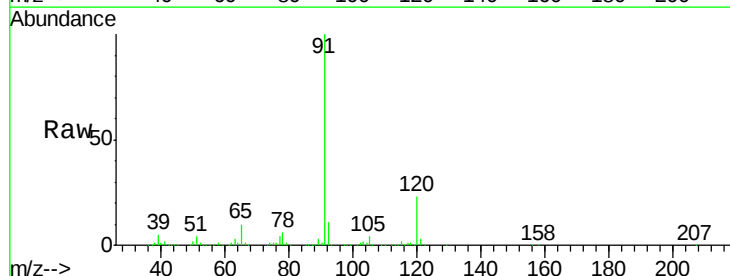
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065441.D

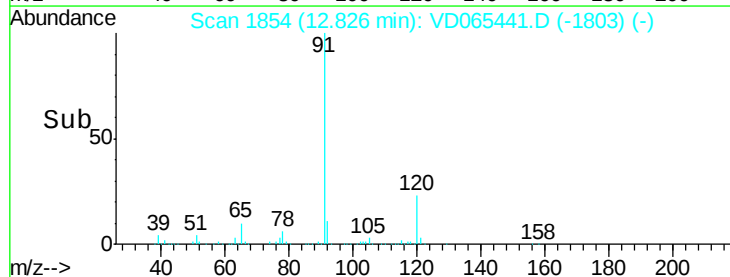
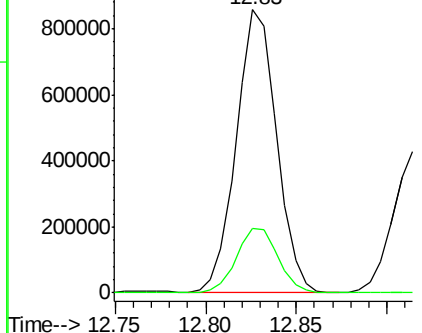
Acq: 09 Mar 2020 10:47

Tgt Ion:	91	Resp:	1323584
Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





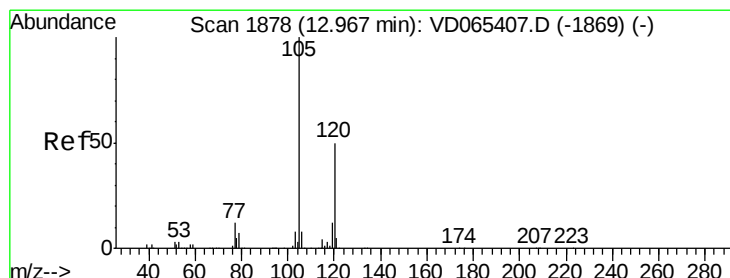
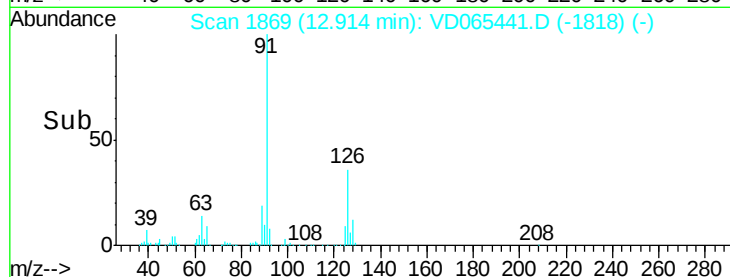
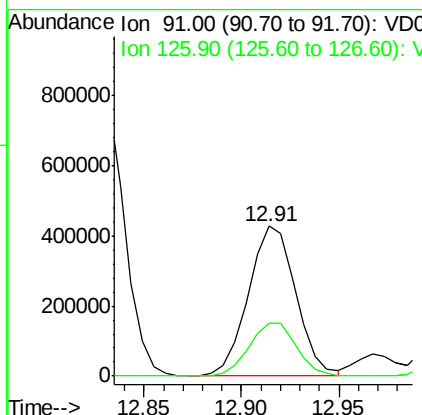
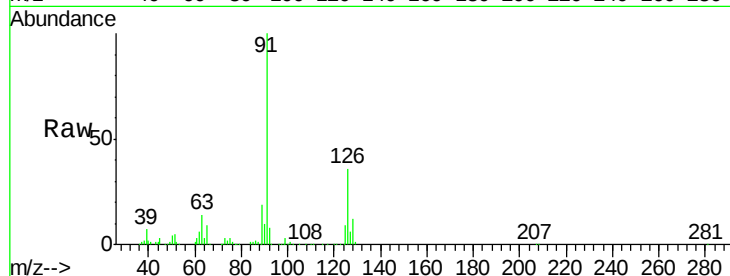
#79
 2-Chlorotoluene
 Concen: 53.272 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065441.D
 Acq: 09 Mar 2020 10:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 719342
 Ion Ratio Lower Upper
 91 100
 126 35.7 17.9 53.8

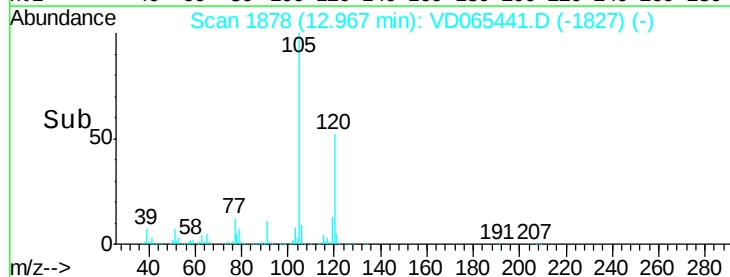
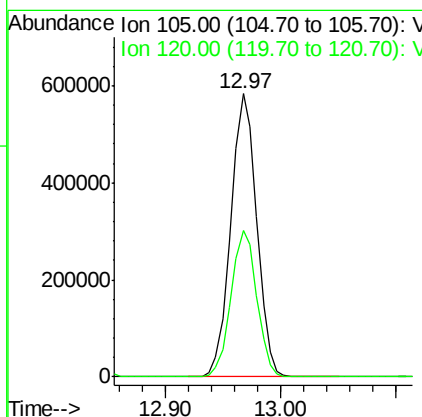
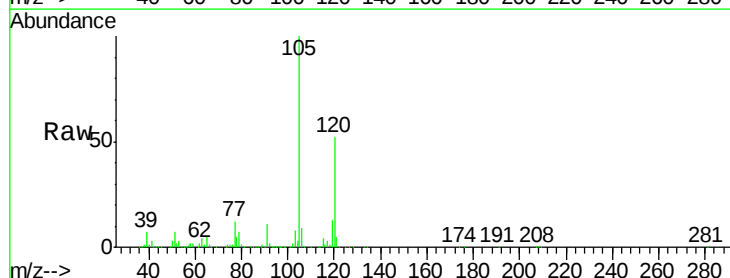
Manual Integrations
 APPROVED

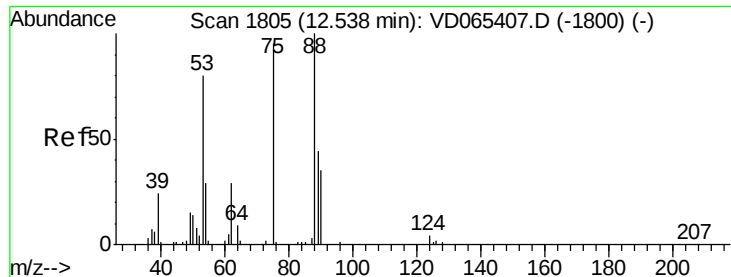
MMDadoda
 3/10/2020 3:34:24 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 54.507 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065441.D
 Acq: 09 Mar 2020 10:47

Tgt Ion: 105 Resp: 904892
 Ion Ratio Lower Upper
 105 100
 120 51.6 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 48.887 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065441.D

Acq: 09 Mar 2020 10:47

Instrument :

MSVOA_D

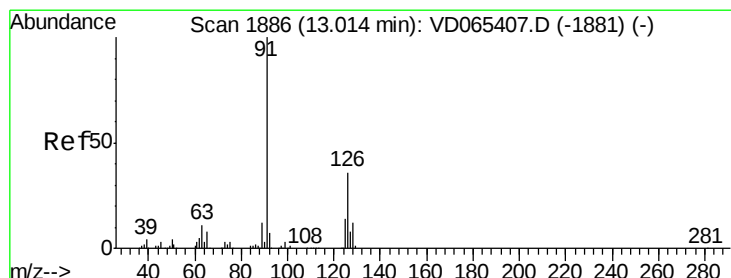
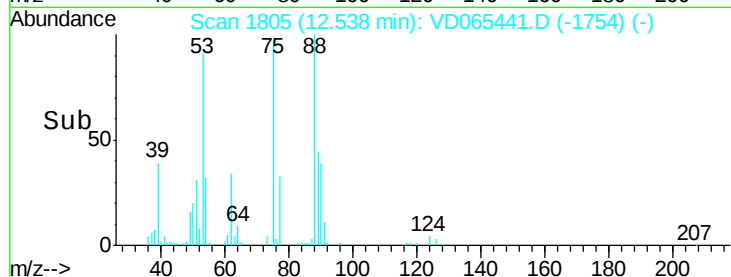
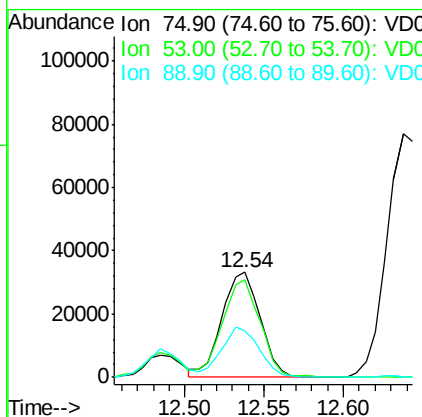
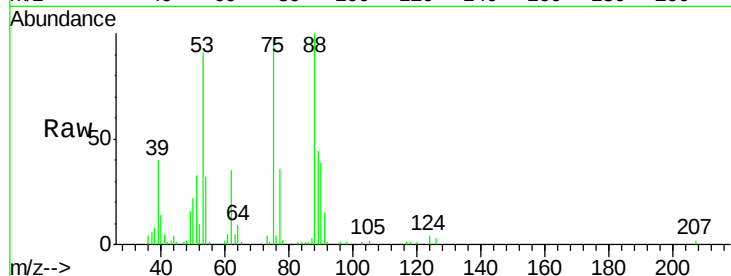
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	56121
Ion	Ratio	Lower	Upper
75	100		
53	91.6	71.3	106.9
89	46.4	37.0	55.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.771 ug/l

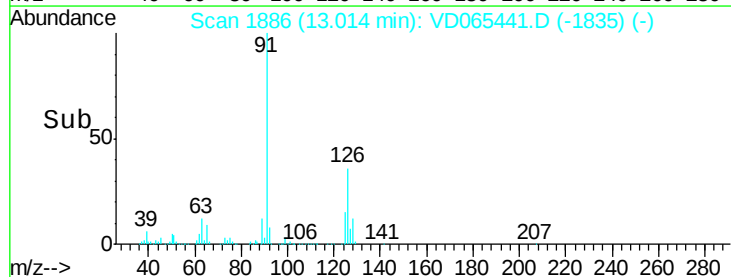
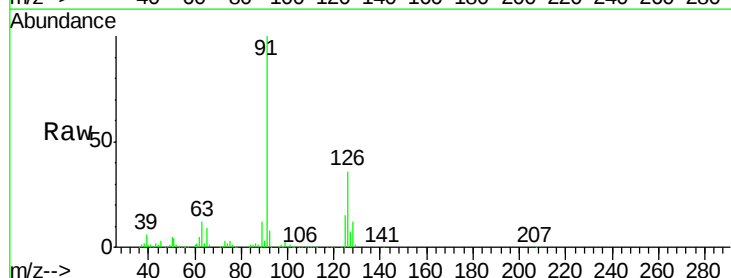
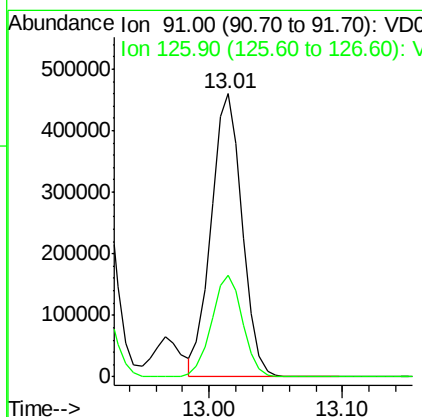
RT: 13.01 min Scan# 1886

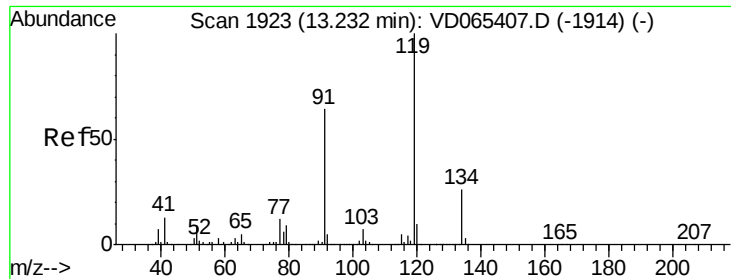
Delta R.T. 0.00 min

Lab File: VD065441.D

Acq: 09 Mar 2020 10:47

Tgt Ion:	91	Resp:	748803
Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.6	52.8





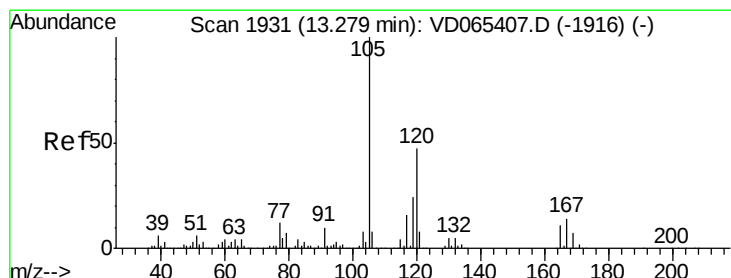
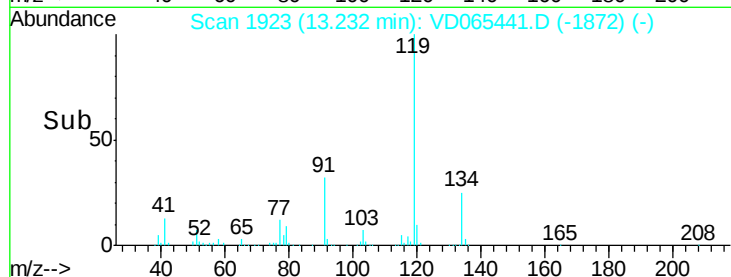
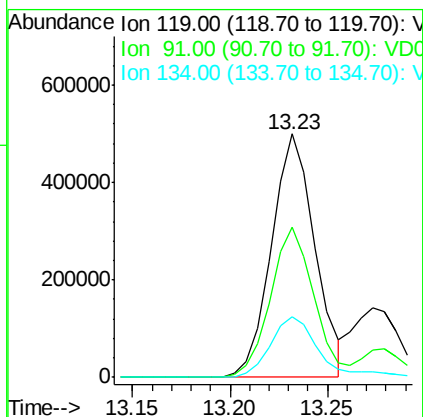
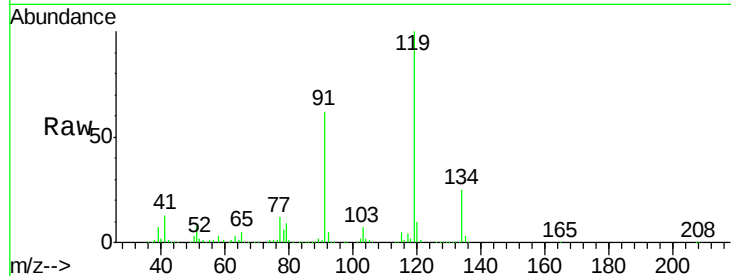
#83
tert-Butylbenzene
Concen: 54.734 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.1	31.6	95.0
134	27.7	14.2	42.8

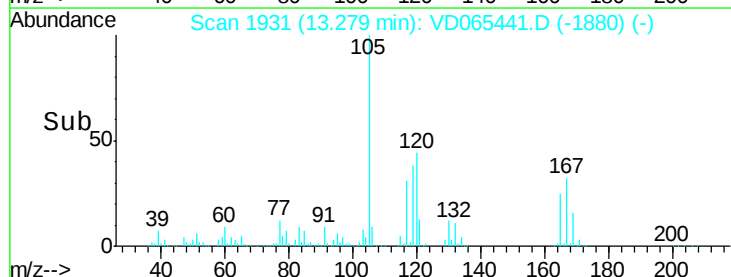
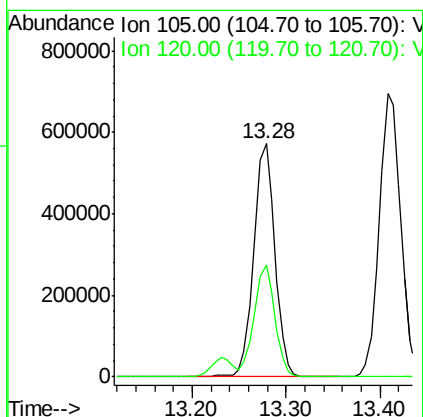
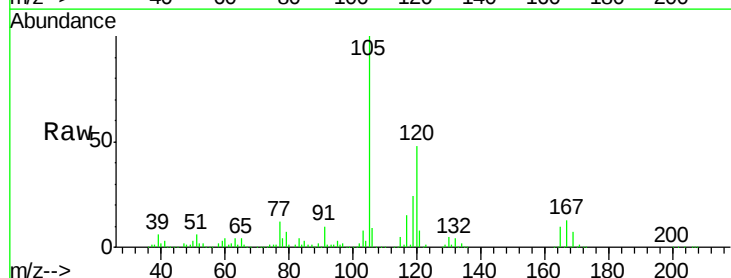
Manual Integrations
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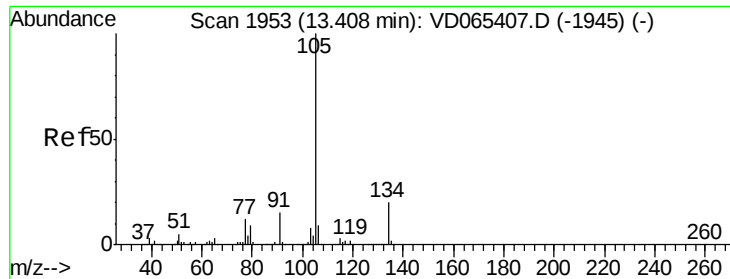
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#84
1,2,4-Trimethylbenzene
Concen: 54.664 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.4	70.3





#85

sec-Butylbenzene

Concen: 54.592 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065441.D

Acq: 09 Mar 2020 10:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1094440

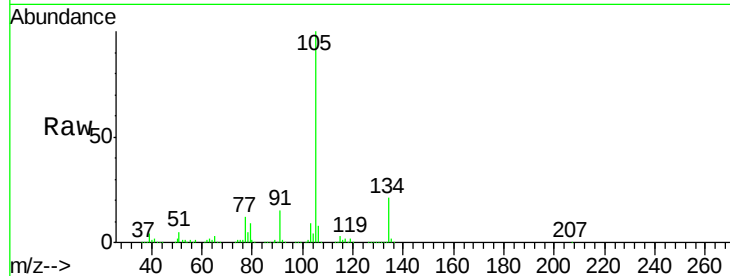
Ion Ratio Lower Upper

105 100

134 21.0 10.3 30.9

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

600000

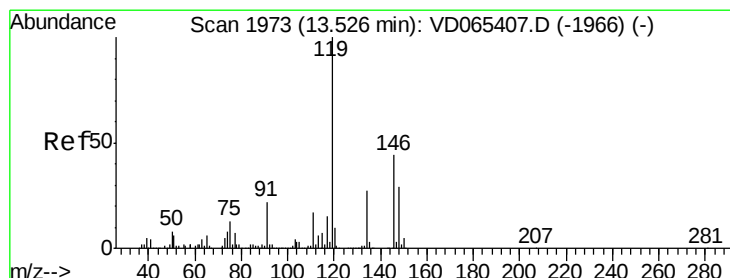
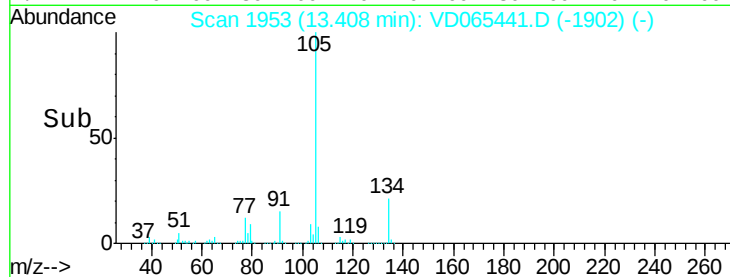
400000

200000

0

13.35 13.40 13.45

Time-->



#86

p-Isopropyltoluene

Concen: 55.655 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065441.D

Acq: 09 Mar 2020 10:47

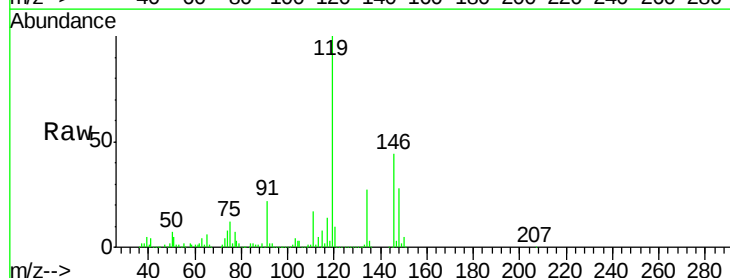
Tgt Ion:119 Resp: 1018135

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.9

91 21.5 10.9 32.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

800000

600000

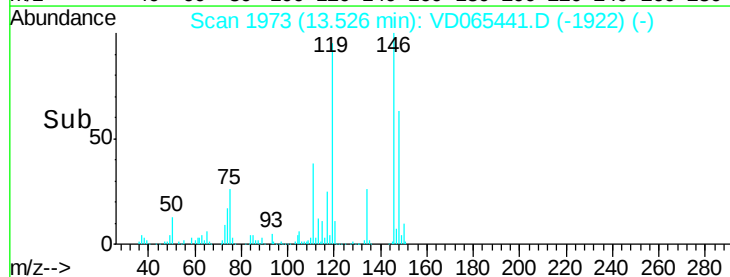
400000

200000

0

13.45 13.50 13.55 13.60

Time-->





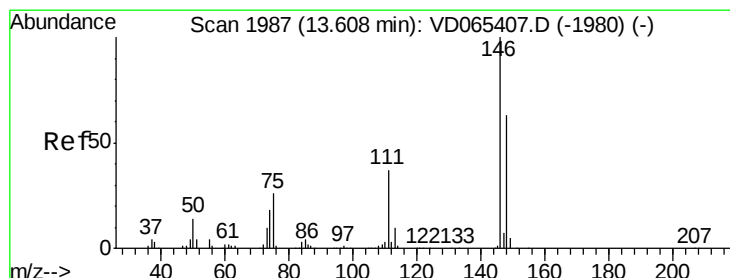
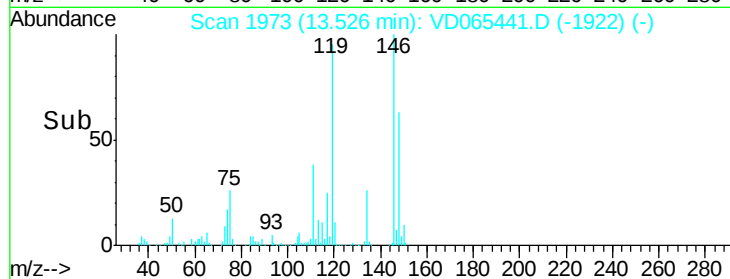
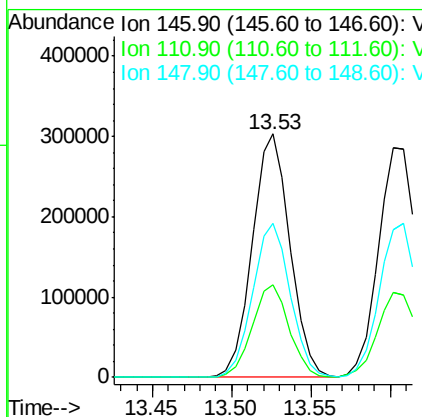
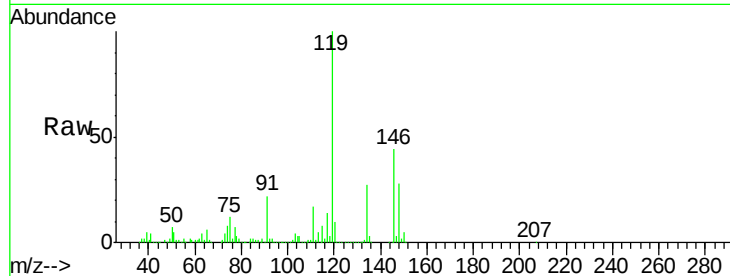
#87
 1,3-Dichlorobenzene
 Concen: 51.864 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065441.D
 Acq: 09 Mar 2020 10:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.1	57.1
148	63.3	32.3	96.8

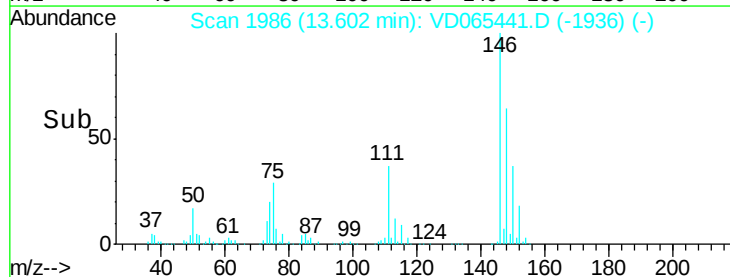
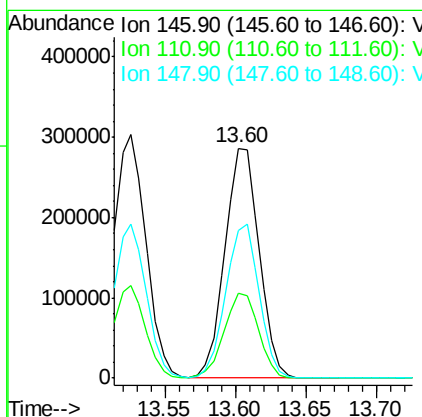
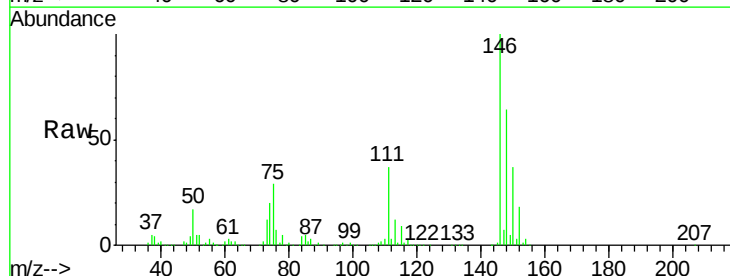
Manual Integrations
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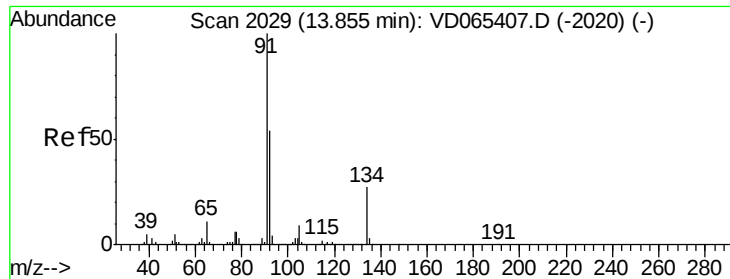
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 3/10/2020 3:34:24 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.452 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065441.D
 Acq: 09 Mar 2020 10:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.5	55.5
148	65.2	32.0	96.0





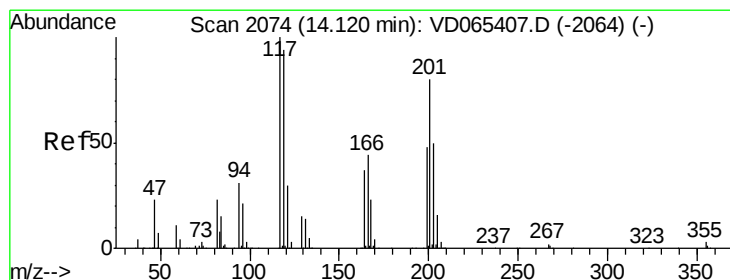
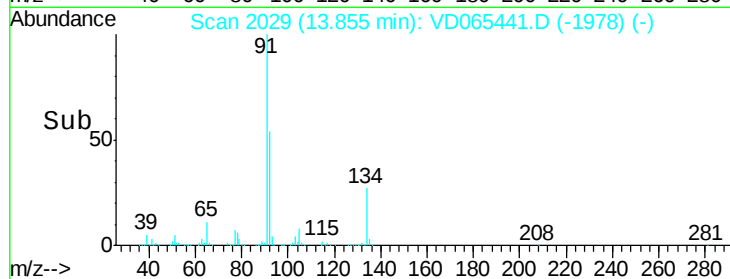
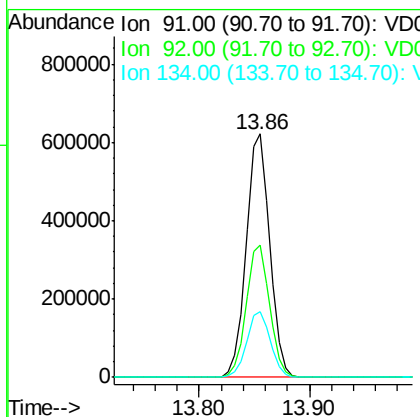
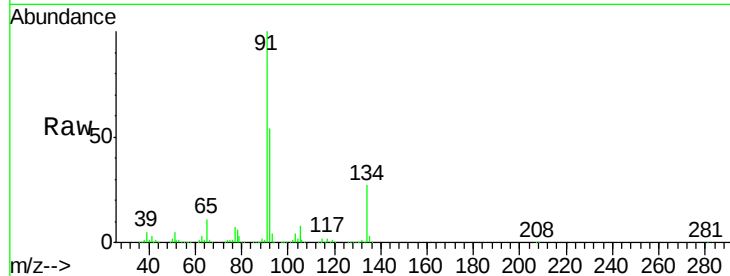
#89
n-Butylbenzene
Concen: 54.968 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.8	80.4
134	27.1	13.4	40.2

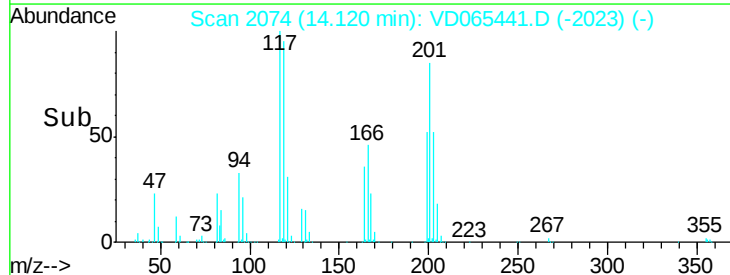
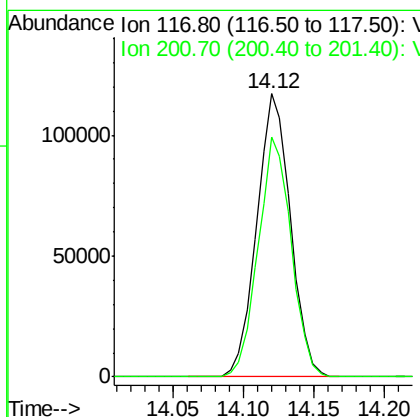
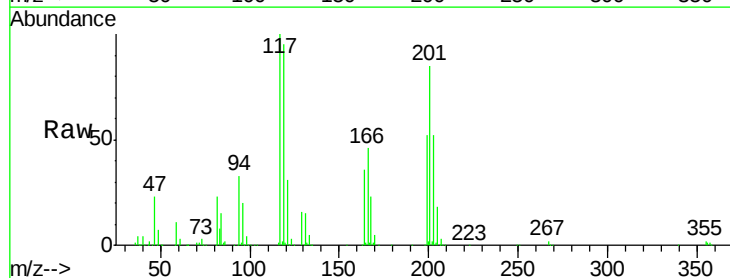
Manual Integrations
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3/10/2020 3:34:24 PM



#90
Hexachloroethane
Concen: 52.201 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065441.D
Acq: 09 Mar 2020 10:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.1	41.9	125.6





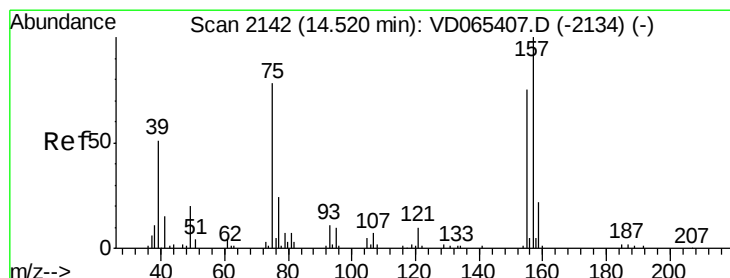
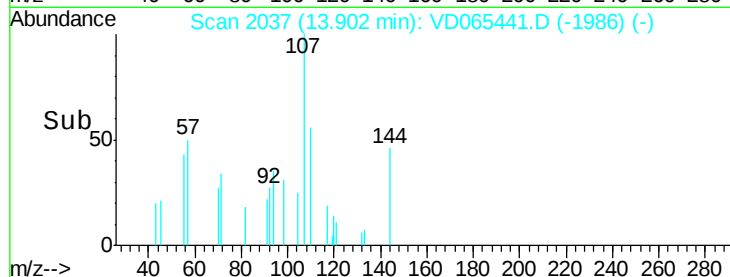
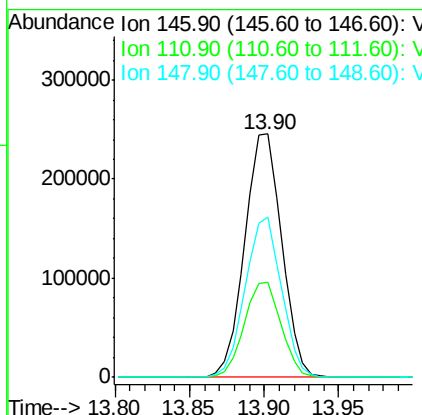
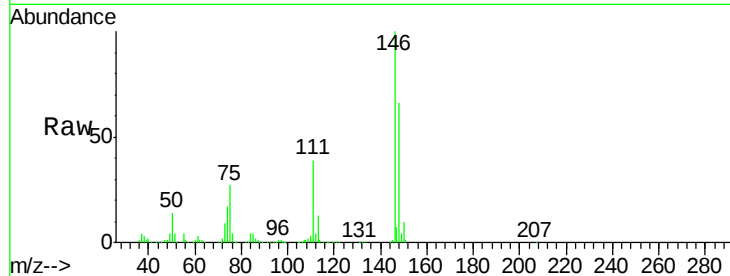
#91
 1,2-Dichlorobenzene
 Concen: 51.286 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065441.D
 Acq: 09 Mar 2020 10:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.8	59.3
148	64.4	32.6	97.8

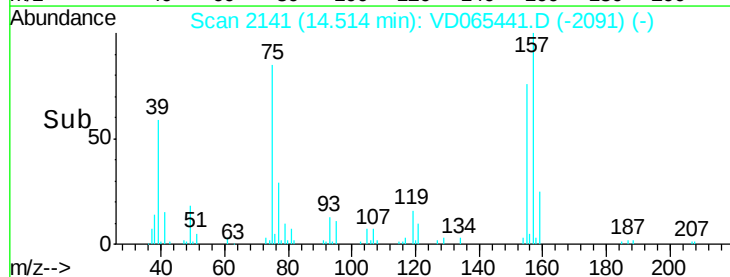
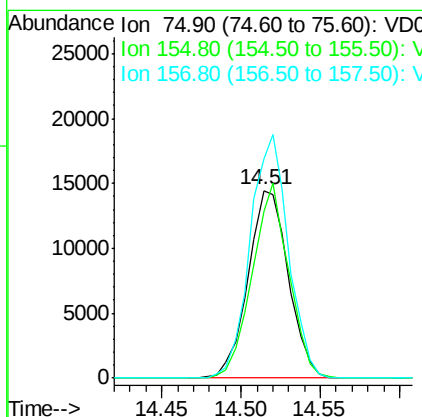
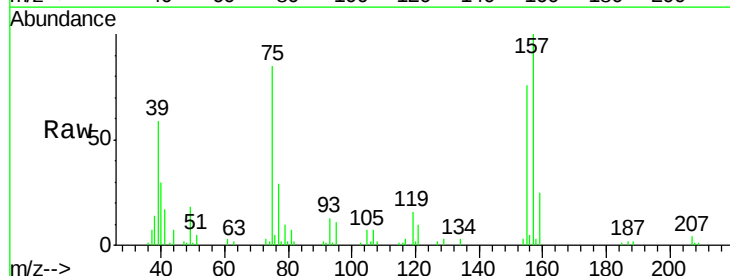
Manual Integrations
 APPROVED

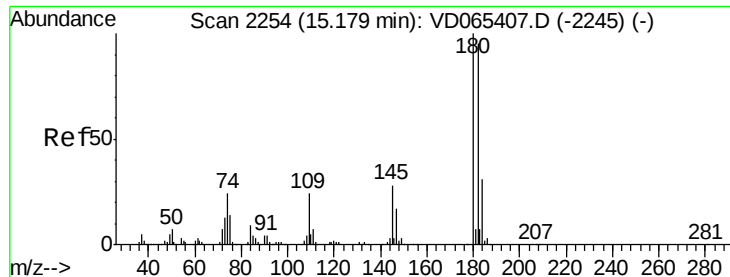
MMDadoda
 3/10/2020 3:34:24 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.247 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065441.D
 Acq: 09 Mar 2020 10:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.1	46.4	139.1
157	122.7	60.2	180.4





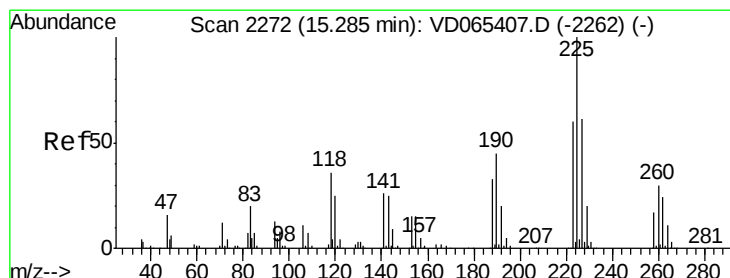
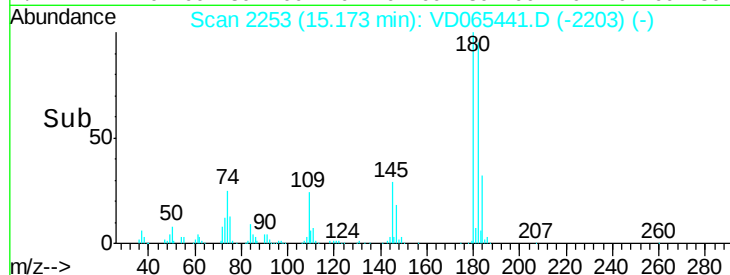
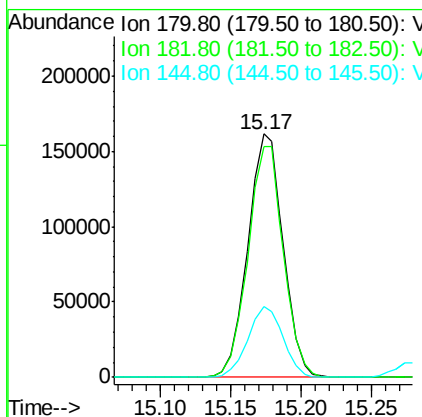
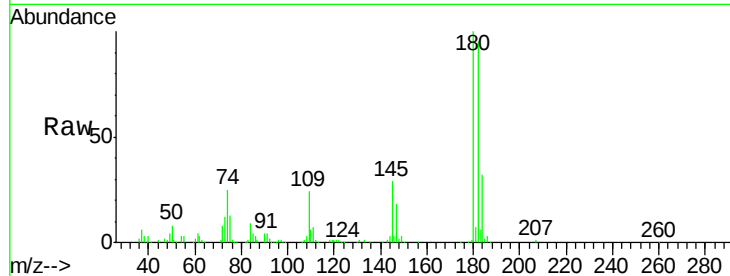
#93
 1,2,4-Trichlorobenzene
 Concen: 50.697 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065441.D
 Acq: 09 Mar 2020 10:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	282048		
182	95.6	48.3	144.9	
145	29.0	14.4	43.4	

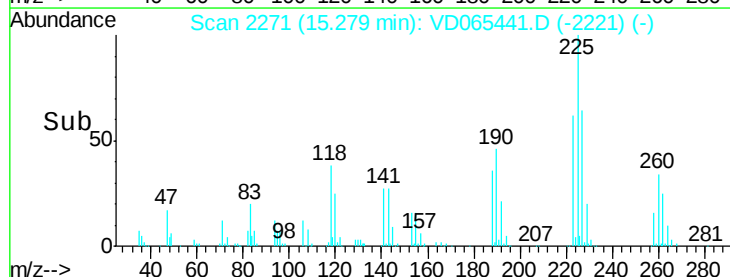
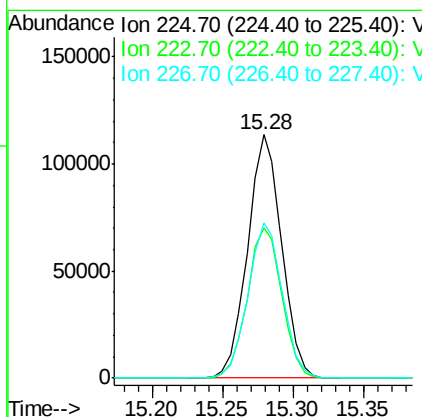
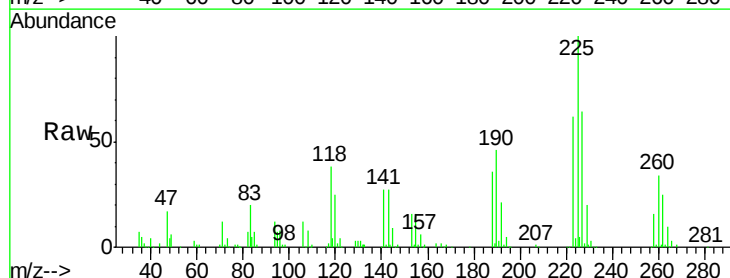
Manual Integrations
 APPROVED

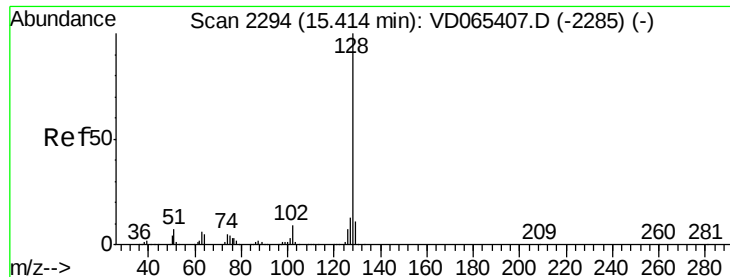
MMDadoda
 3/10/2020 3:34:24 PM



#94
 Hexachlorobutadiene
 Concen: 52.571 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065441.D
 Acq: 09 Mar 2020 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	192175		
223	62.6	30.9	92.5	
227	64.3	31.6	94.7	





#95

Naphthalene

Concen: 46.198 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065441.D

Acq: 09 Mar 2020 10:47

Instrument :

MSVOA_D

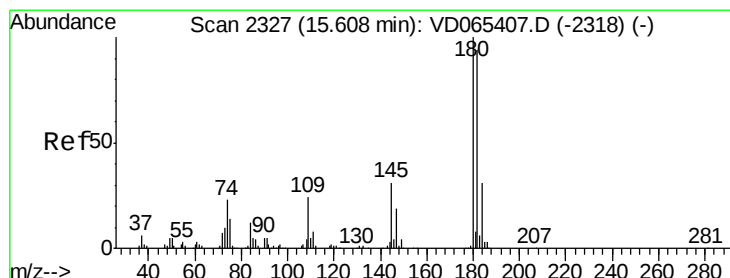
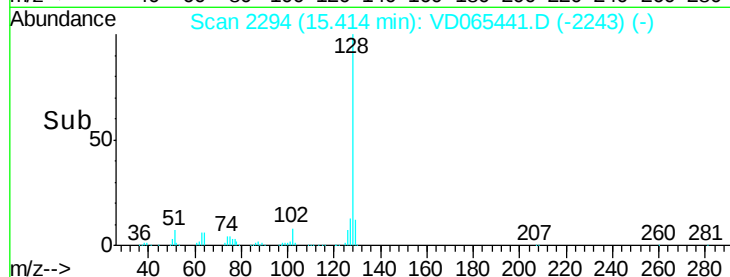
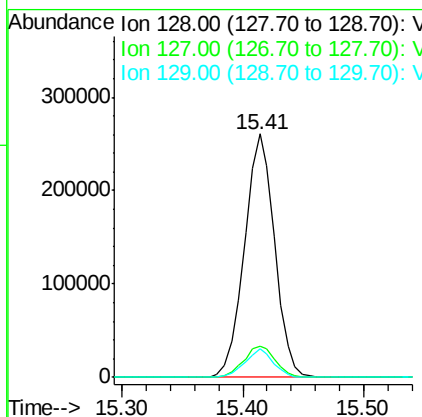
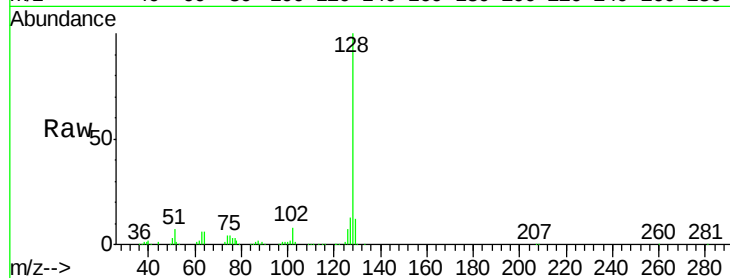
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	454435
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.6	16.0
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/10/2020 3:34:24 PM



#96

1,2,3-Trichlorobenzene

Concen: 50.919 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065441.D

Acq: 09 Mar 2020 10:47

Tgt Ion:	180	Resp:	244793
Ion Ratio	Lower	Upper	
180	100		
182	95.5	46.9	140.6
145	30.8	15.0	45.1

